

Pantheon Report

Generated at 2018-02-03 06:05:48 (UTC).

Data path: India Ethernet (*remote*) → AWS India 1 Ethernet (*local*).

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

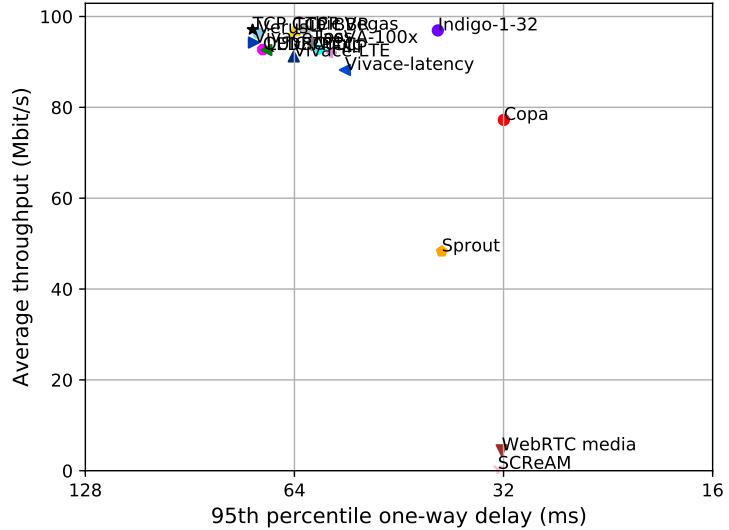
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against nets.org.sg and have been applied to correct the timestamps in logs.

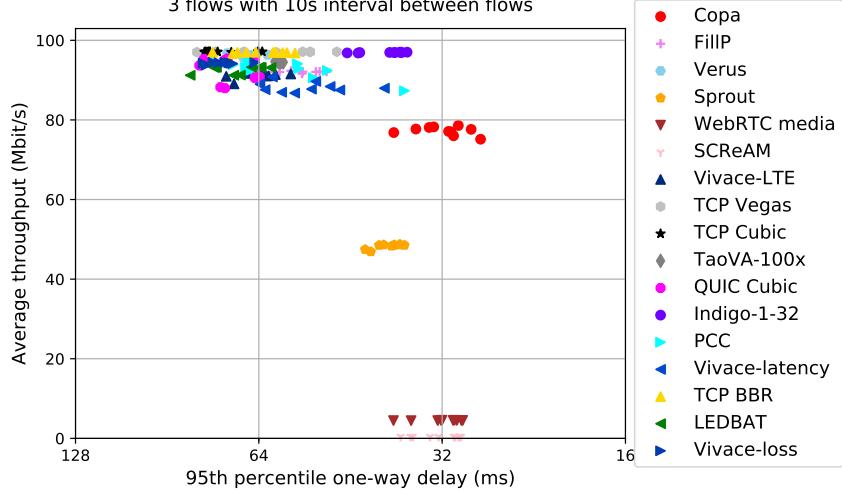
Git summary:

```
branch: master @ 70217998b3c9a7166a95460a70c0854d1326e100
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ fb9c9ab842e5614ad52911a76fb9bd1c1b0dca86
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179aab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from India Ethernet to AWS India 1 Ethernet, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from India Ethernet to AWS India 1 Ethernet, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows



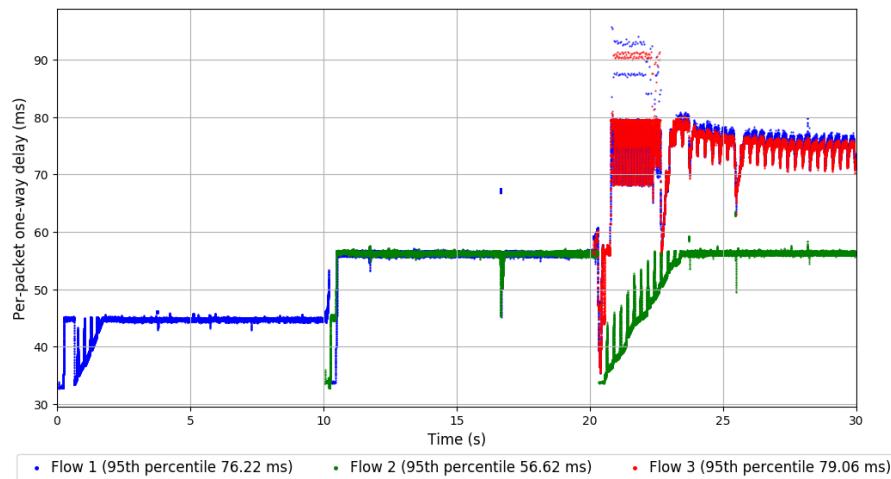
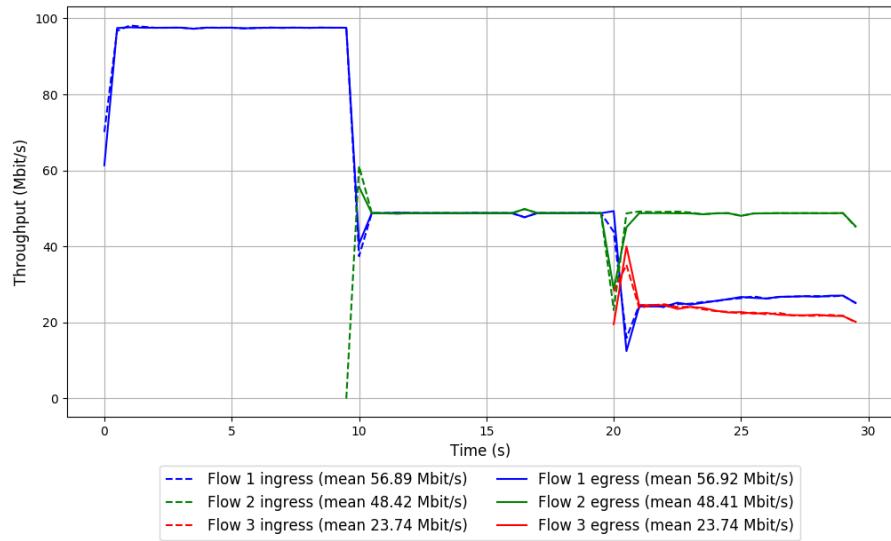
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	59.06	39.75	34.47	60.95	64.06	67.41	0.10	0.21	0.59
TCP Cubic	9	58.64	41.84	32.10	70.97	66.07	68.70	0.11	0.31	0.83
LEDBAT	10	57.77	37.92	32.73	66.55	70.67	64.28	0.11	0.24	0.79
PCC	10	62.06	36.22	19.68	57.78	57.24	54.22	0.07	0.17	0.38
QUIC Cubic	10	55.24	43.26	26.55	66.84	62.69	71.49	0.11	0.24	0.71
SCReAM	10	0.21	0.21	0.22	32.61	32.61	32.61	0.12	0.00	0.28
WebRTC media	10	2.38	1.48	0.67	32.03	32.22	32.54	0.06	0.30	0.26
Sprout	10	24.42	24.14	23.71	38.89	38.96	40.10	0.10	0.16	0.30
TaoVA-100x	10	57.26	39.70	31.69	60.31	60.49	60.56	0.11	0.25	0.62
TCP Vegas	9	58.62	40.95	33.89	59.22	57.23	54.98	0.08	0.12	0.37
Verus	10	61.35	39.68	26.04	58.54	70.95	73.40	0.10	0.19	0.78
Copa	10	42.53	36.50	31.45	31.62	32.20	33.10	0.06	0.11	0.27
FillP	10	57.53	37.60	28.74	52.30	56.06	55.31	0.09	0.20	0.38
Indigo-1-32	10	57.45	41.96	35.51	39.02	39.52	39.50	0.05	0.14	0.34
Vivace-latency	10	59.31	33.68	19.88	52.38	53.69	54.88	0.24	0.55	0.50
Vivace-loss	9	60.19	39.86	24.59	63.62	68.53	73.86	0.11	0.23	0.74
Vivace-LTE	10	57.33	38.51	25.21	60.38	65.08	59.84	0.20	0.15	0.48

Run 1: Statistics of TCP BBR

```
Start at: 2018-02-02 22:10:18
End at: 2018-02-02 22:10:48
Local clock offset: -5.084 ms
Remote clock offset: -20.91 ms

# Below is generated by plot.py at 2018-02-03 05:37:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.00 Mbit/s
95th percentile per-packet one-way delay: 76.253 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 56.92 Mbit/s
95th percentile per-packet one-way delay: 76.225 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 48.41 Mbit/s
95th percentile per-packet one-way delay: 56.621 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 23.74 Mbit/s
95th percentile per-packet one-way delay: 79.065 ms
Loss rate: 0.67%
```

Run 1: Report of TCP BBR — Data Link

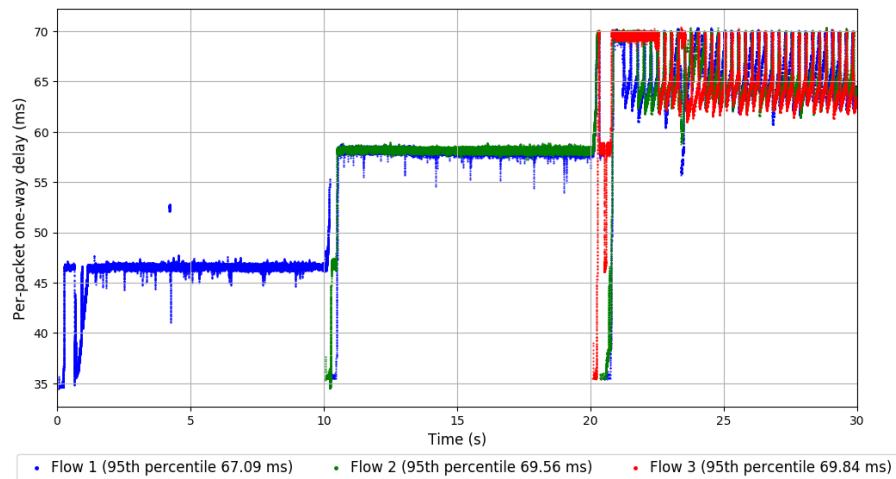
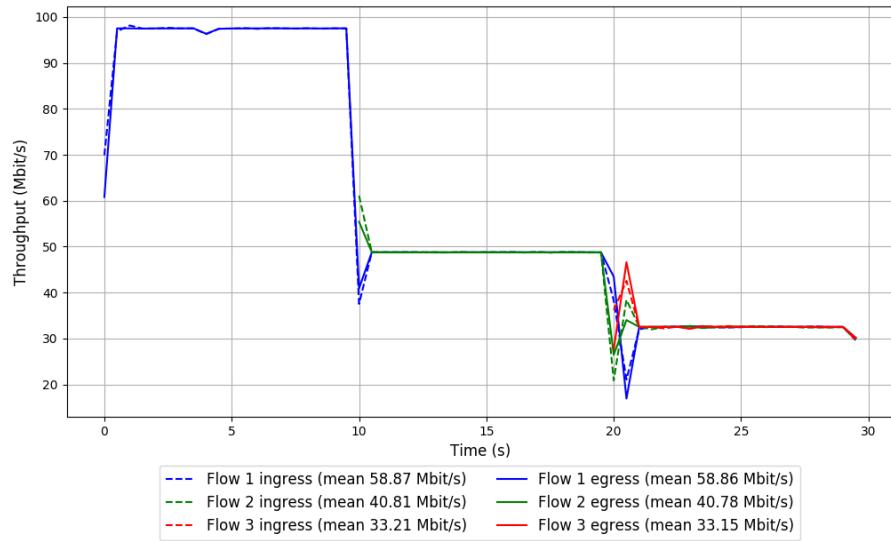


Run 2: Statistics of TCP BBR

```
Start at: 2018-02-02 22:32:17
End at: 2018-02-02 22:32:47
Local clock offset: -3.3 ms
Remote clock offset: -24.918 ms

# Below is generated by plot.py at 2018-02-03 05:37:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.98 Mbit/s
95th percentile per-packet one-way delay: 69.397 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 58.86 Mbit/s
95th percentile per-packet one-way delay: 67.094 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.78 Mbit/s
95th percentile per-packet one-way delay: 69.560 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 33.15 Mbit/s
95th percentile per-packet one-way delay: 69.839 ms
Loss rate: 0.59%
```

Run 2: Report of TCP BBR — Data Link

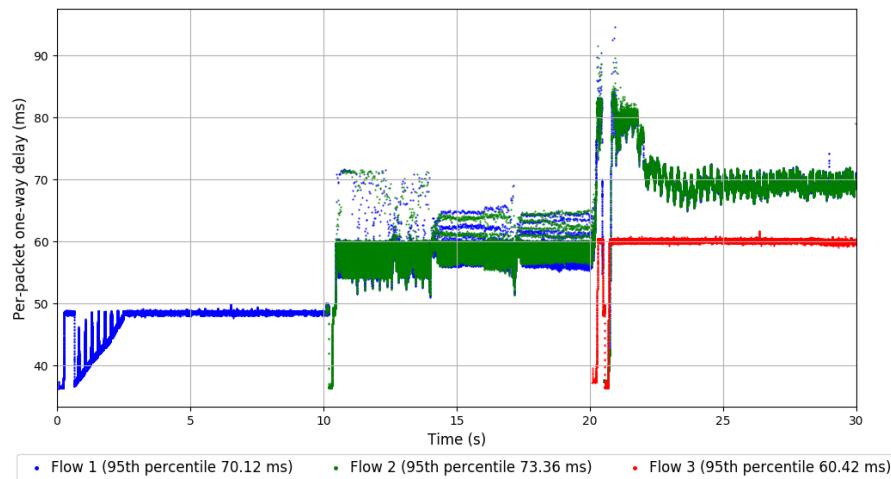
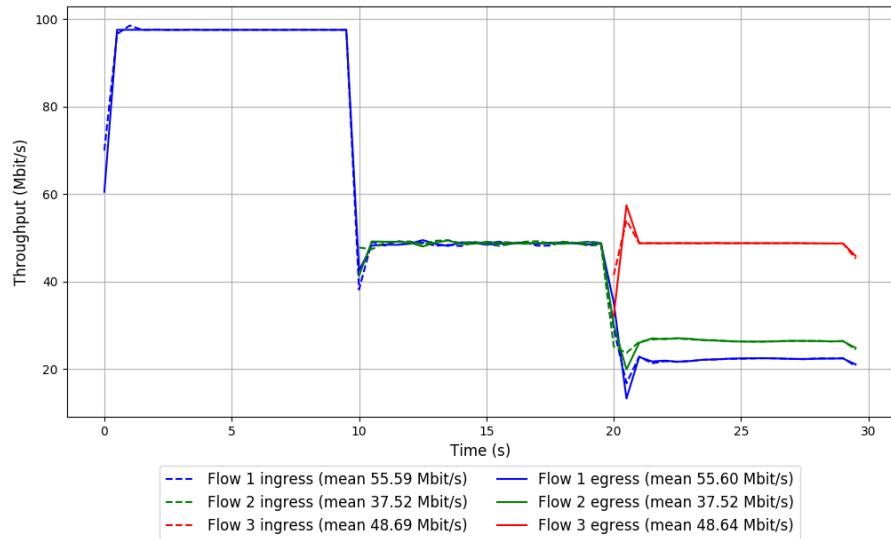


Run 3: Statistics of TCP BBR

```
Start at: 2018-02-02 22:54:06
End at: 2018-02-02 22:54:36
Local clock offset: -1.539 ms
Remote clock offset: -23.41 ms

# Below is generated by plot.py at 2018-02-03 05:37:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.65 Mbit/s
95th percentile per-packet one-way delay: 70.644 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 55.60 Mbit/s
95th percentile per-packet one-way delay: 70.122 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 37.52 Mbit/s
95th percentile per-packet one-way delay: 73.362 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 48.64 Mbit/s
95th percentile per-packet one-way delay: 60.416 ms
Loss rate: 0.54%
```

Run 3: Report of TCP BBR — Data Link

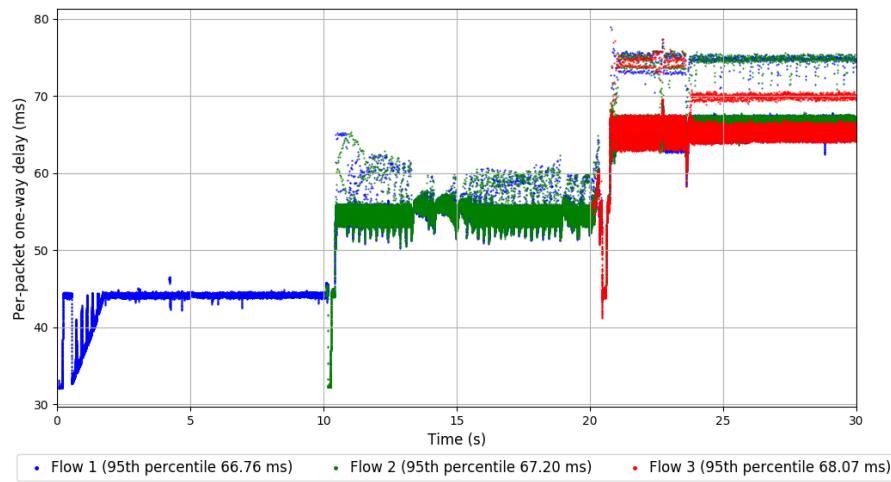
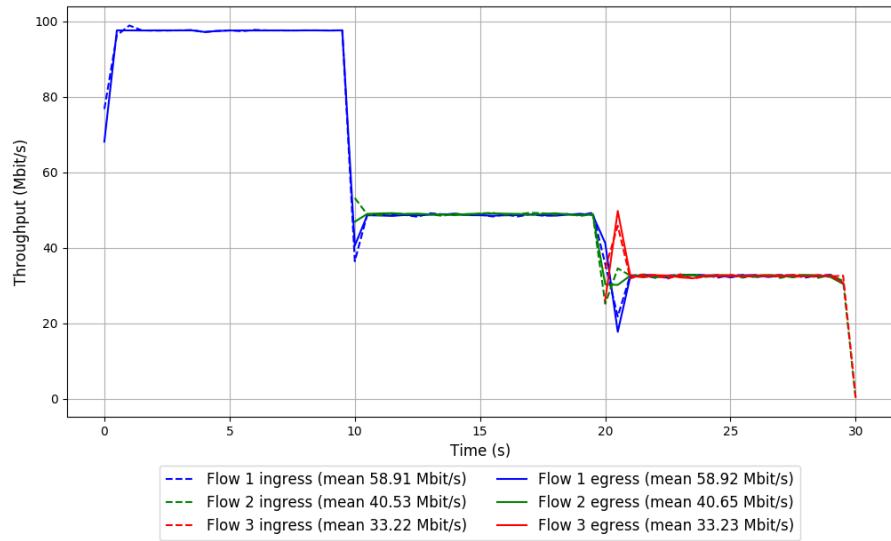


Run 4: Statistics of TCP BBR

```
Start at: 2018-02-02 23:15:43
End at: 2018-02-02 23:16:13
Local clock offset: -0.623 ms
Remote clock offset: -22.362 ms

# Below is generated by plot.py at 2018-02-03 05:37:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.95 Mbit/s
95th percentile per-packet one-way delay: 67.093 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 58.92 Mbit/s
95th percentile per-packet one-way delay: 66.764 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 40.65 Mbit/s
95th percentile per-packet one-way delay: 67.203 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 33.23 Mbit/s
95th percentile per-packet one-way delay: 68.069 ms
Loss rate: 0.95%
```

Run 4: Report of TCP BBR — Data Link

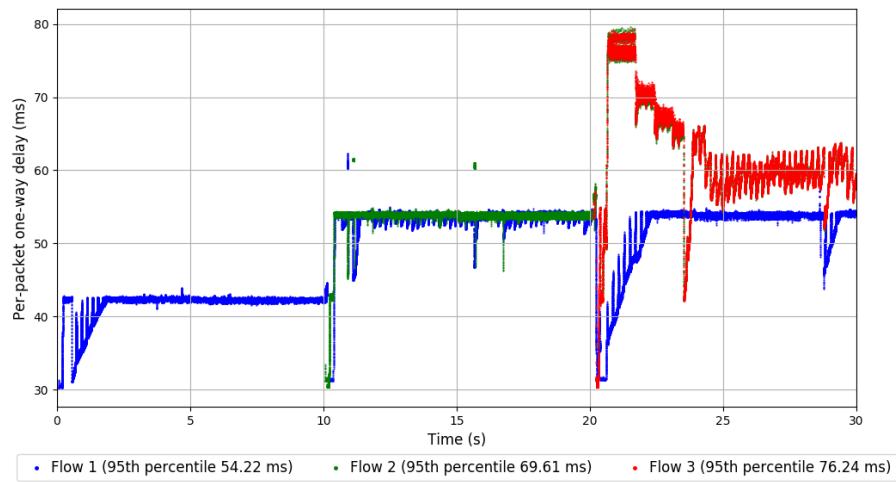
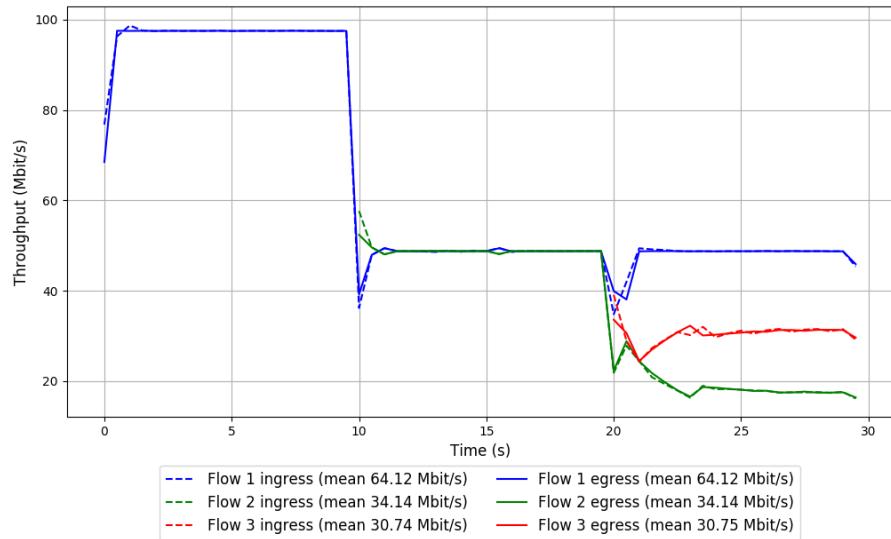


Run 5: Statistics of TCP BBR

```
Start at: 2018-02-02 23:37:09
End at: 2018-02-02 23:37:39
Local clock offset: -2.645 ms
Remote clock offset: -16.121 ms

# Below is generated by plot.py at 2018-02-03 05:37:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.01 Mbit/s
95th percentile per-packet one-way delay: 64.713 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 64.12 Mbit/s
95th percentile per-packet one-way delay: 54.221 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 34.14 Mbit/s
95th percentile per-packet one-way delay: 69.606 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 30.75 Mbit/s
95th percentile per-packet one-way delay: 76.239 ms
Loss rate: 0.56%
```

Run 5: Report of TCP BBR — Data Link

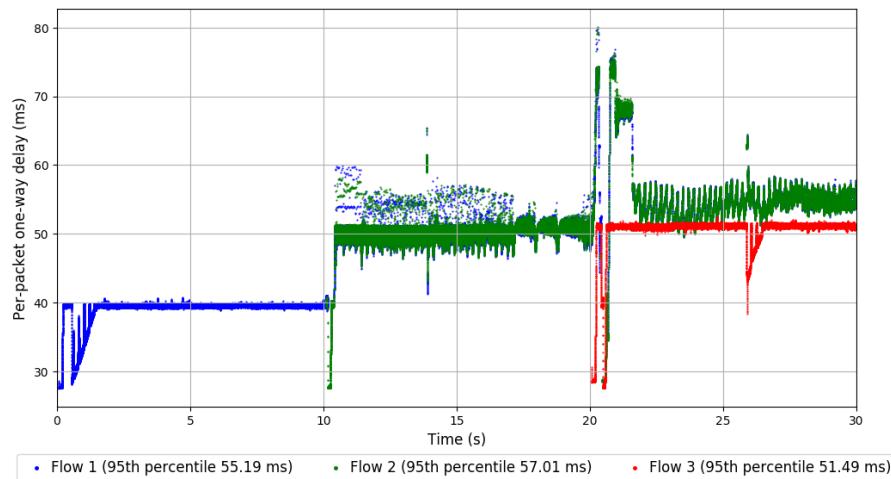
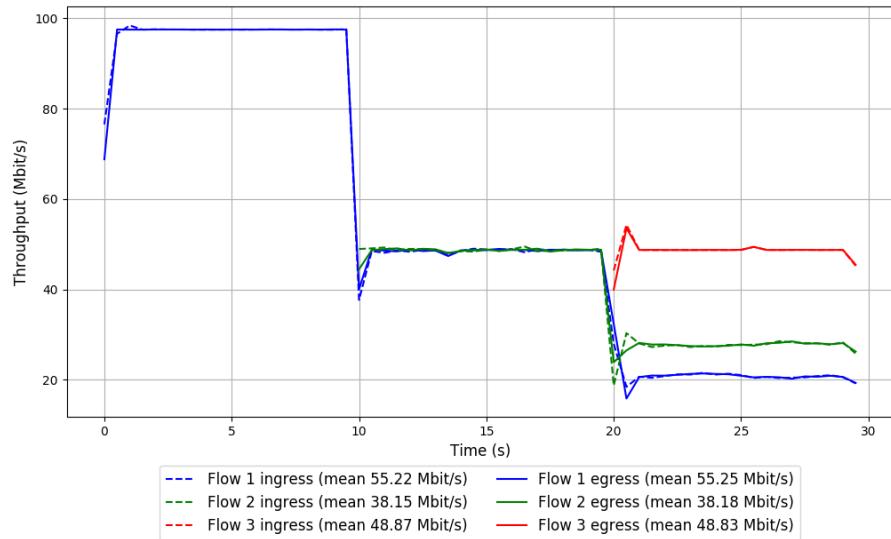


Run 6: Statistics of TCP BBR

```
Start at: 2018-02-02 23:58:39
End at: 2018-02-02 23:59:09
Local clock offset: -5.948 ms
Remote clock offset: -16.239 ms

# Below is generated by plot.py at 2018-02-03 05:37:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.82 Mbit/s
95th percentile per-packet one-way delay: 55.790 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 55.25 Mbit/s
95th percentile per-packet one-way delay: 55.193 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 38.18 Mbit/s
95th percentile per-packet one-way delay: 57.005 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 48.83 Mbit/s
95th percentile per-packet one-way delay: 51.490 ms
Loss rate: 0.49%
```

Run 6: Report of TCP BBR — Data Link

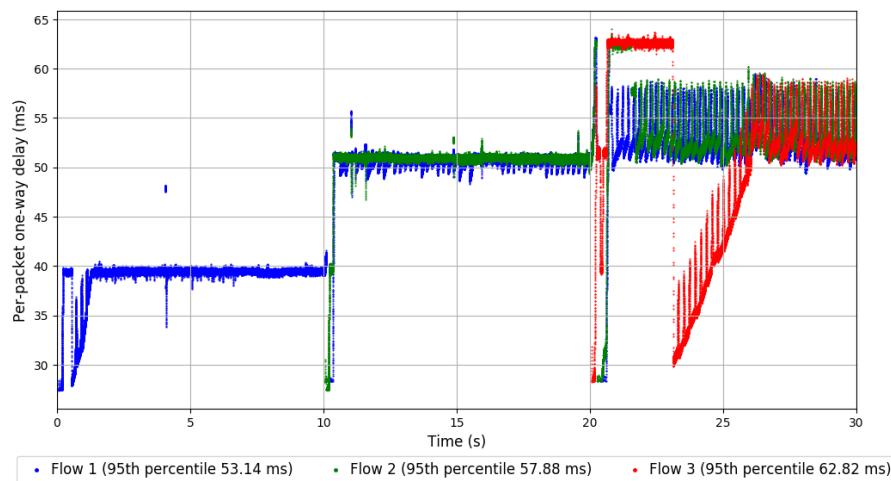
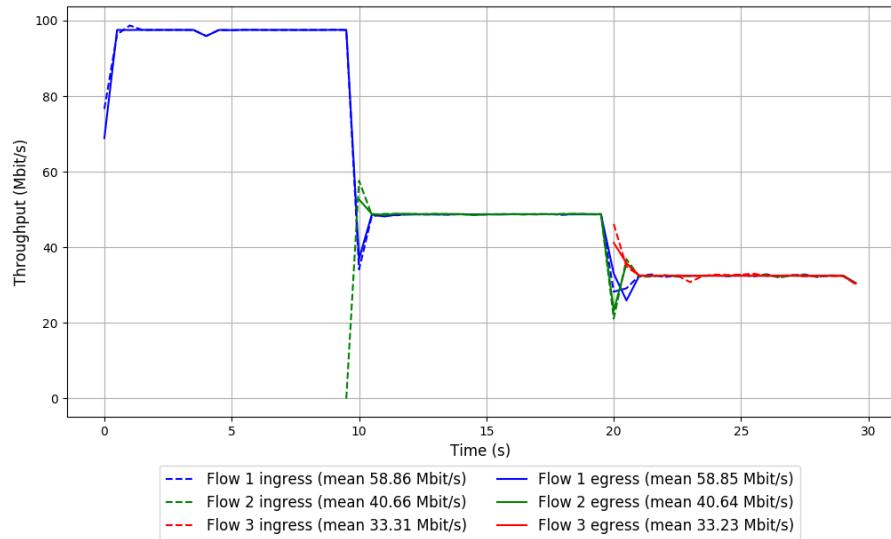


Run 7: Statistics of TCP BBR

```
Start at: 2018-02-03 00:20:18
End at: 2018-02-03 00:20:48
Local clock offset: -4.988 ms
Remote clock offset: -17.413 ms

# Below is generated by plot.py at 2018-02-03 05:37:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.93 Mbit/s
95th percentile per-packet one-way delay: 57.561 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 58.85 Mbit/s
95th percentile per-packet one-way delay: 53.139 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 40.64 Mbit/s
95th percentile per-packet one-way delay: 57.880 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 33.23 Mbit/s
95th percentile per-packet one-way delay: 62.823 ms
Loss rate: 0.48%
```

Run 7: Report of TCP BBR — Data Link

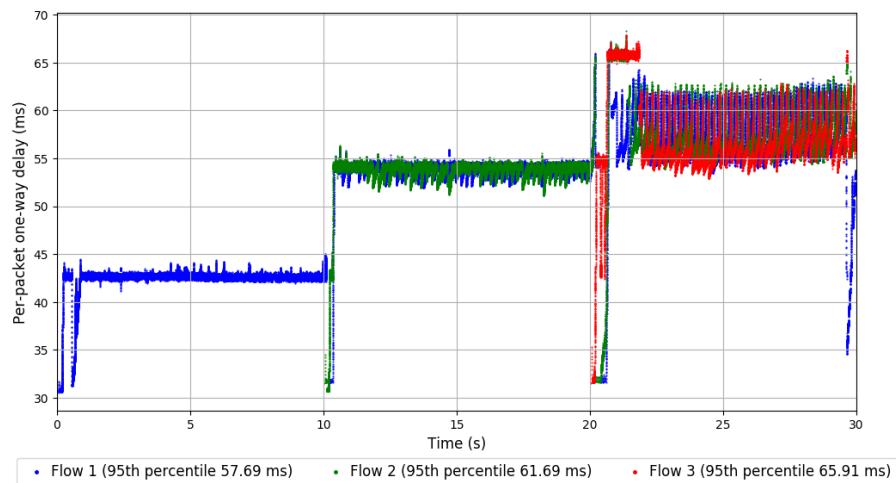
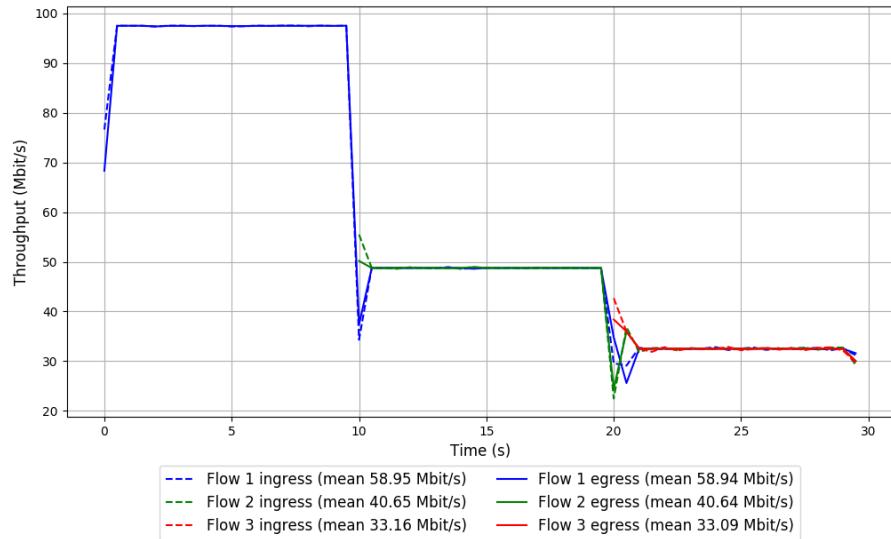


Run 8: Statistics of TCP BBR

```
Start at: 2018-02-03 00:42:43
End at: 2018-02-03 00:43:13
Local clock offset: -3.146 ms
Remote clock offset: -18.309 ms

# Below is generated by plot.py at 2018-02-03 05:37:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.96 Mbit/s
95th percentile per-packet one-way delay: 60.635 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 58.94 Mbit/s
95th percentile per-packet one-way delay: 57.692 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 40.64 Mbit/s
95th percentile per-packet one-way delay: 61.689 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 33.09 Mbit/s
95th percentile per-packet one-way delay: 65.910 ms
Loss rate: 0.51%
```

Run 8: Report of TCP BBR — Data Link

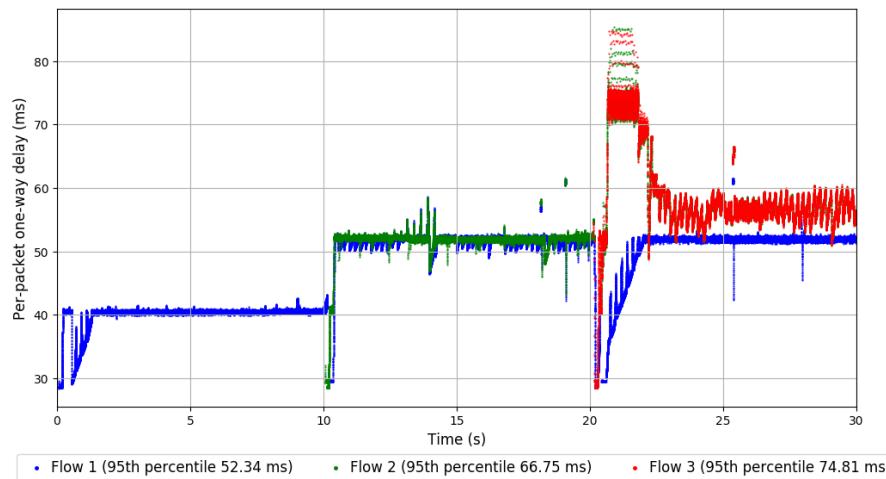
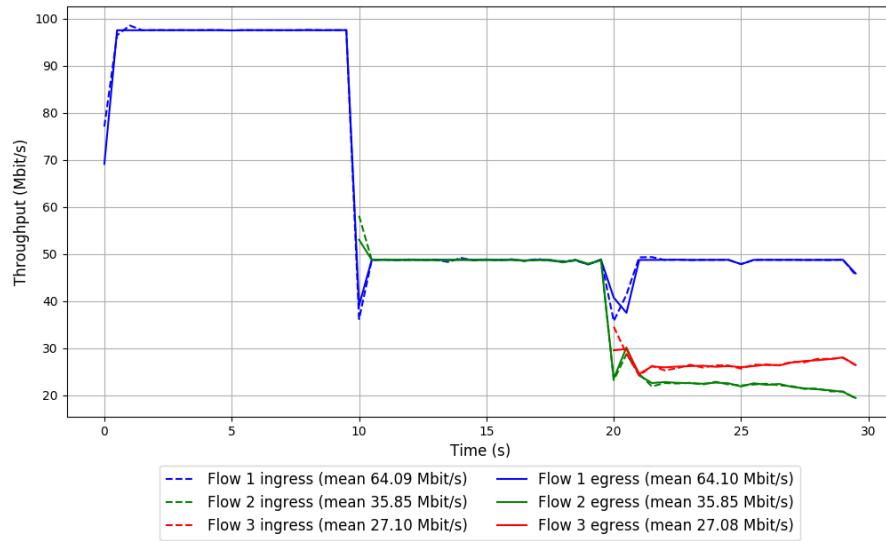


Run 9: Statistics of TCP BBR

```
Start at: 2018-02-03 01:05:36
End at: 2018-02-03 01:06:06
Local clock offset: -5.474 ms
Remote clock offset: -18.828 ms

# Below is generated by plot.py at 2018-02-03 05:39:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 58.491 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 64.10 Mbit/s
95th percentile per-packet one-way delay: 52.335 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 35.85 Mbit/s
95th percentile per-packet one-way delay: 66.753 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 27.08 Mbit/s
95th percentile per-packet one-way delay: 74.805 ms
Loss rate: 0.58%
```

Run 9: Report of TCP BBR — Data Link

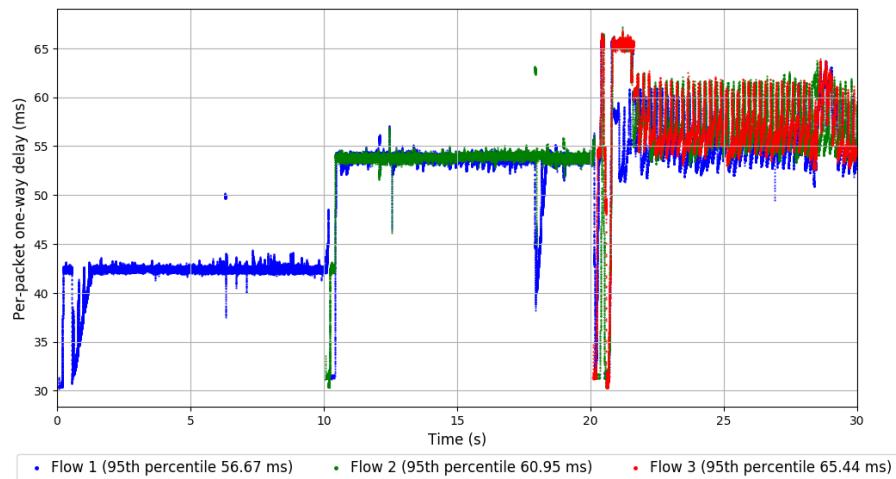
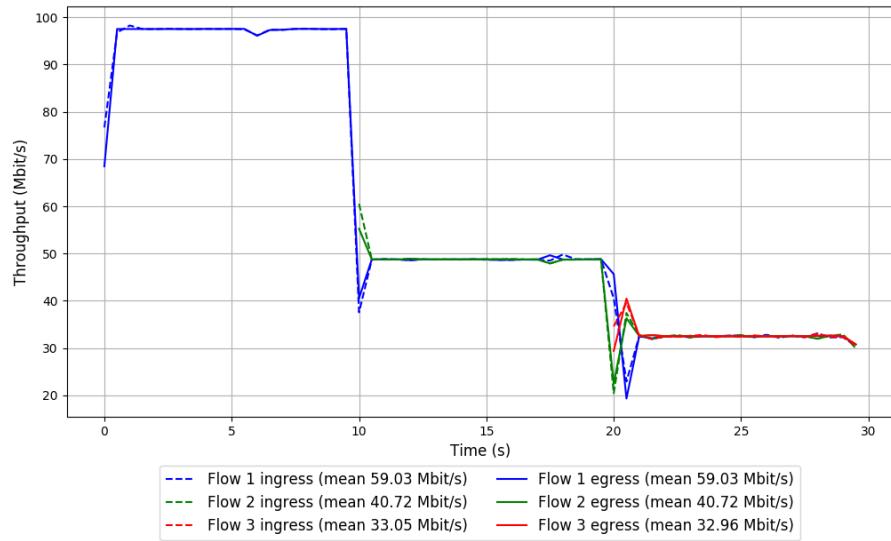


Run 10: Statistics of TCP BBR

```
Start at: 2018-02-03 01:28:36
End at: 2018-02-03 01:29:06
Local clock offset: -2.967 ms
Remote clock offset: -20.351 ms

# Below is generated by plot.py at 2018-02-03 05:39:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.04 Mbit/s
95th percentile per-packet one-way delay: 60.063 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 59.03 Mbit/s
95th percentile per-packet one-way delay: 56.673 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 40.72 Mbit/s
95th percentile per-packet one-way delay: 60.951 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 32.96 Mbit/s
95th percentile per-packet one-way delay: 65.442 ms
Loss rate: 0.50%
```

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-02-02 22:18:42
End at: 2018-02-02 22:19:12
Local clock offset: -3.778 ms
Remote clock offset: -24.253 ms

Run 1: Report of TCP Cubic — Data Link

Figure is missing

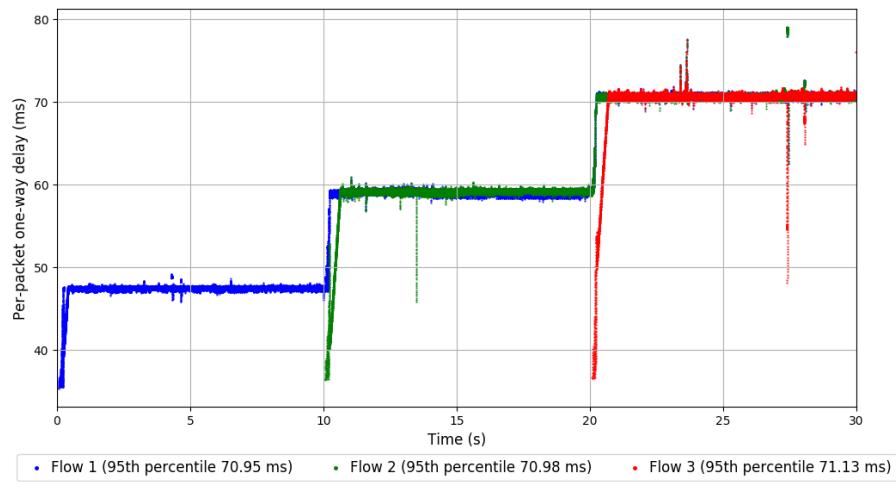
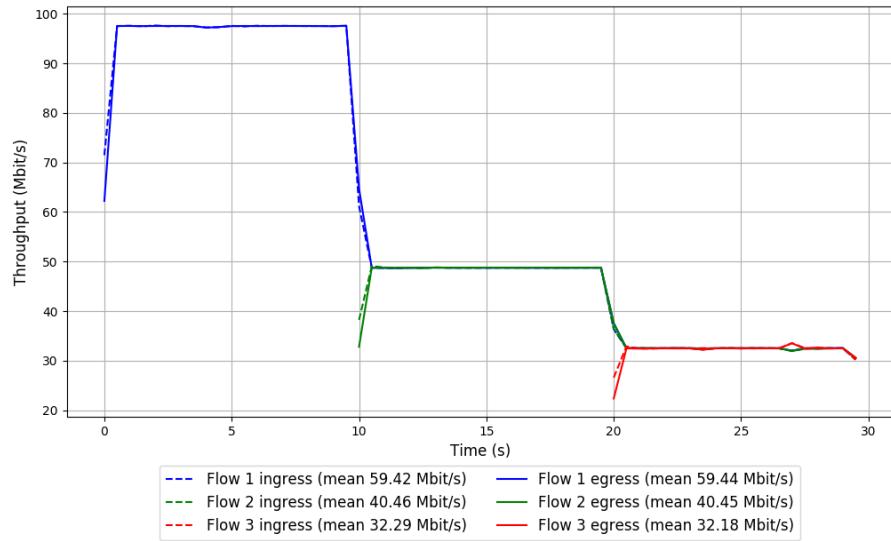
Figure is missing

Run 2: Statistics of TCP Cubic

```
Start at: 2018-02-02 22:40:46
End at: 2018-02-02 22:41:16
Local clock offset: -3.133 ms
Remote clock offset: -26.115 ms

# Below is generated by plot.py at 2018-02-03 05:39:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.01 Mbit/s
95th percentile per-packet one-way delay: 70.999 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 59.44 Mbit/s
95th percentile per-packet one-way delay: 70.953 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 40.45 Mbit/s
95th percentile per-packet one-way delay: 70.976 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 32.18 Mbit/s
95th percentile per-packet one-way delay: 71.129 ms
Loss rate: 0.70%
```

Run 2: Report of TCP Cubic — Data Link

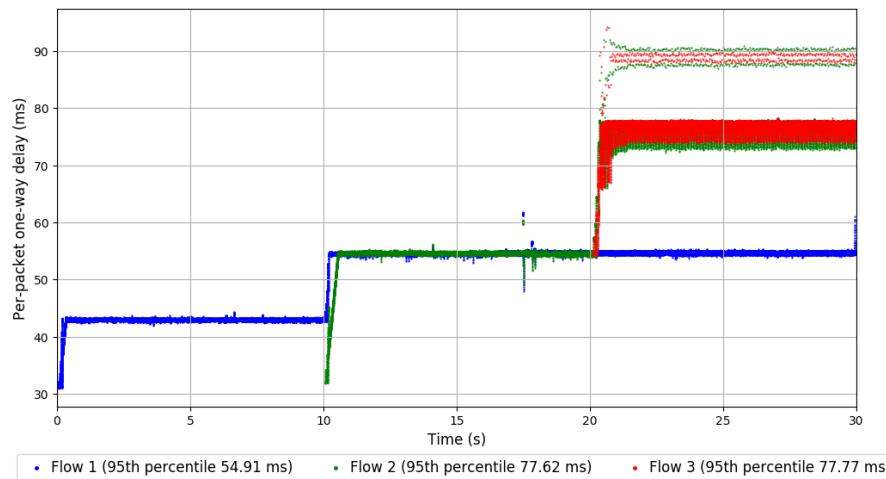
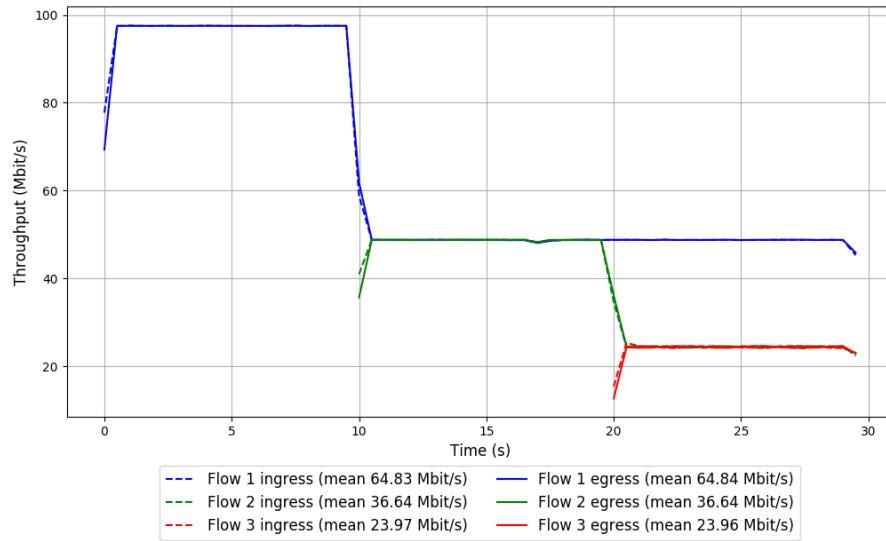


Run 3: Statistics of TCP Cubic

```
Start at: 2018-02-02 23:02:27
End at: 2018-02-02 23:02:57
Local clock offset: -1.141 ms
Remote clock offset: -22.757 ms

# Below is generated by plot.py at 2018-02-03 05:39:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 77.506 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 64.84 Mbit/s
95th percentile per-packet one-way delay: 54.913 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 36.64 Mbit/s
95th percentile per-packet one-way delay: 77.617 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 23.96 Mbit/s
95th percentile per-packet one-way delay: 77.773 ms
Loss rate: 0.76%
```

Run 3: Report of TCP Cubic — Data Link

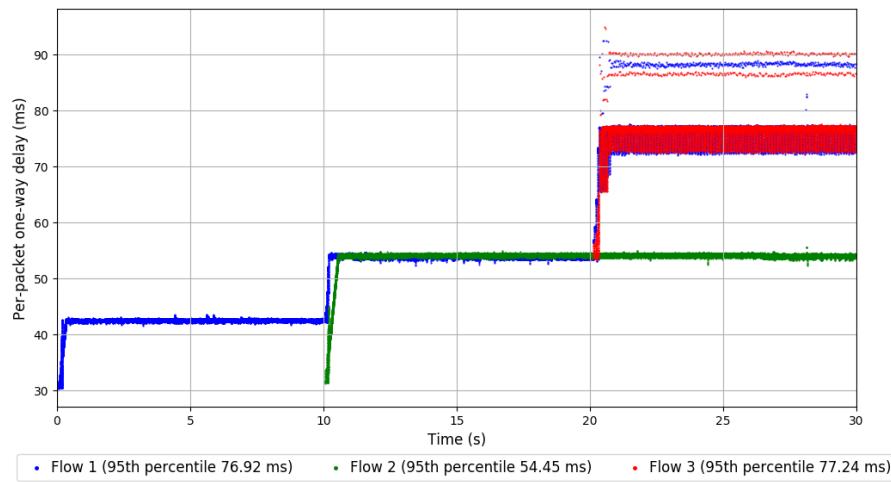
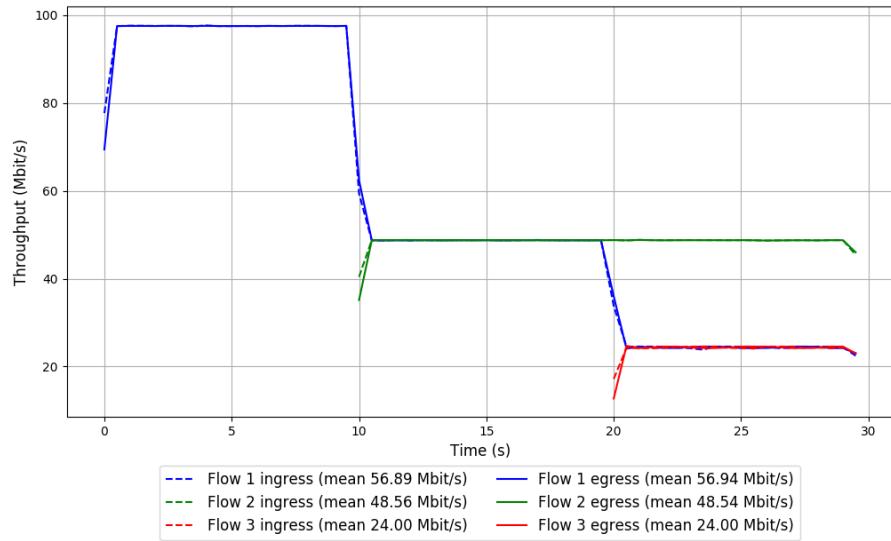


Run 4: Statistics of TCP Cubic

```
Start at: 2018-02-02 23:23:55
End at: 2018-02-02 23:24:25
Local clock offset: -2.749 ms
Remote clock offset: -19.798 ms

# Below is generated by plot.py at 2018-02-03 05:39:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 76.964 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.94 Mbit/s
95th percentile per-packet one-way delay: 76.923 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 48.54 Mbit/s
95th percentile per-packet one-way delay: 54.450 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 24.00 Mbit/s
95th percentile per-packet one-way delay: 77.239 ms
Loss rate: 0.72%
```

Run 4: Report of TCP Cubic — Data Link

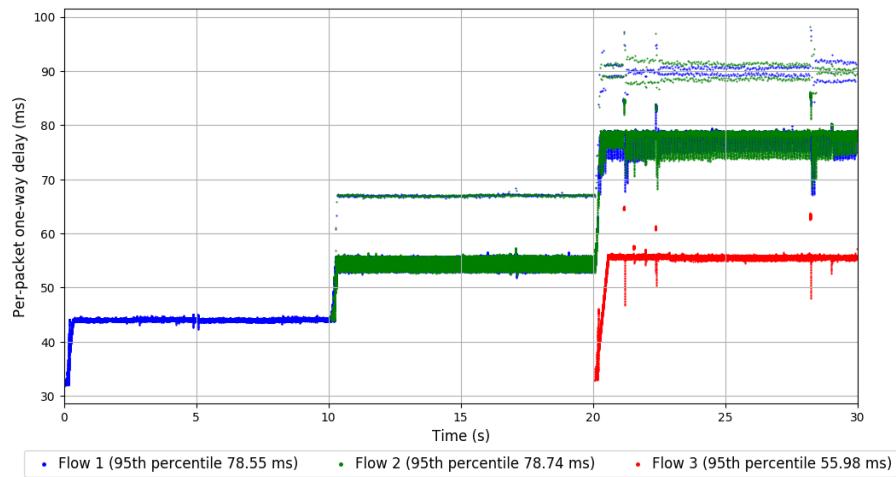
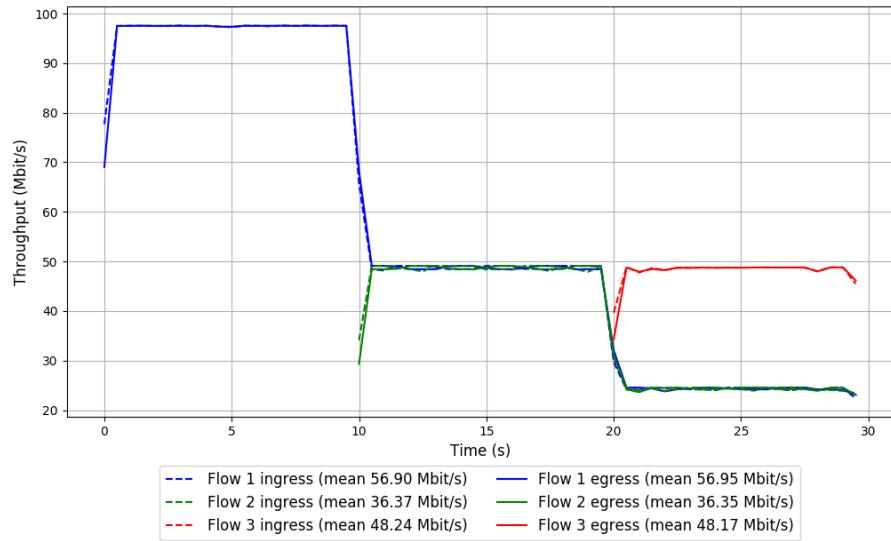


Run 5: Statistics of TCP Cubic

```
Start at: 2018-02-02 23:45:22
End at: 2018-02-02 23:45:52
Local clock offset: -3.569 ms
Remote clock offset: -17.284 ms

# Below is generated by plot.py at 2018-02-03 05:39:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.07 Mbit/s
95th percentile per-packet one-way delay: 78.596 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.95 Mbit/s
95th percentile per-packet one-way delay: 78.554 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 36.35 Mbit/s
95th percentile per-packet one-way delay: 78.737 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 48.17 Mbit/s
95th percentile per-packet one-way delay: 55.980 ms
Loss rate: 0.49%
```

Run 5: Report of TCP Cubic — Data Link

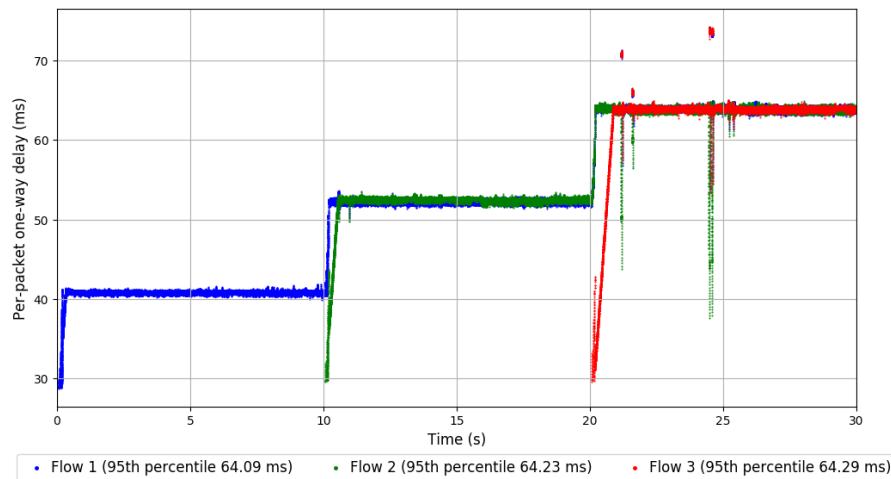
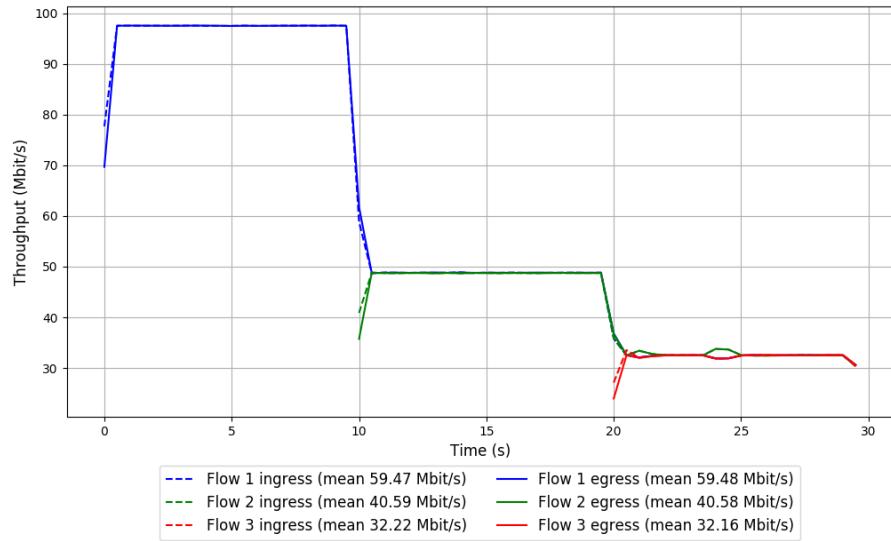


Run 6: Statistics of TCP Cubic

```
Start at: 2018-02-03 00:07:00
End at: 2018-02-03 00:07:30
Local clock offset: -5.074 ms
Remote clock offset: -17.76 ms

# Below is generated by plot.py at 2018-02-03 05:39:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 64.179 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 59.48 Mbit/s
95th percentile per-packet one-way delay: 64.091 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.58 Mbit/s
95th percentile per-packet one-way delay: 64.230 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 32.16 Mbit/s
95th percentile per-packet one-way delay: 64.286 ms
Loss rate: 0.61%
```

Run 6: Report of TCP Cubic — Data Link

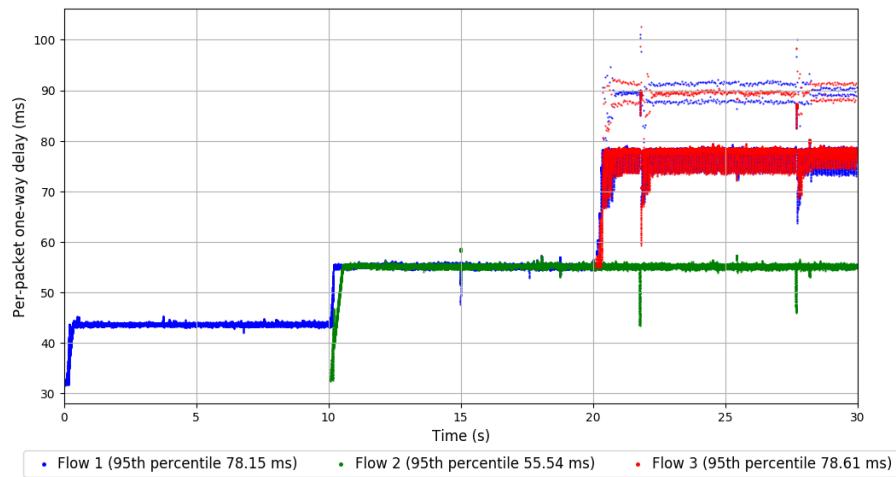
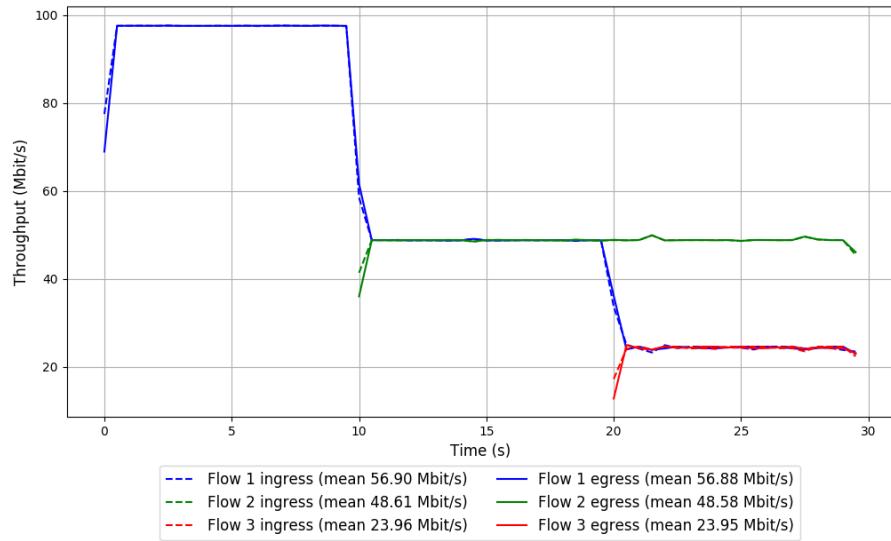


Run 7: Statistics of TCP Cubic

```
Start at: 2018-02-03 00:29:03
End at: 2018-02-03 00:29:33
Local clock offset: -2.44 ms
Remote clock offset: -19.686 ms

# Below is generated by plot.py at 2018-02-03 05:39:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 78.205 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.88 Mbit/s
95th percentile per-packet one-way delay: 78.150 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 48.58 Mbit/s
95th percentile per-packet one-way delay: 55.542 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 23.95 Mbit/s
95th percentile per-packet one-way delay: 78.605 ms
Loss rate: 0.70%
```

Run 7: Report of TCP Cubic — Data Link

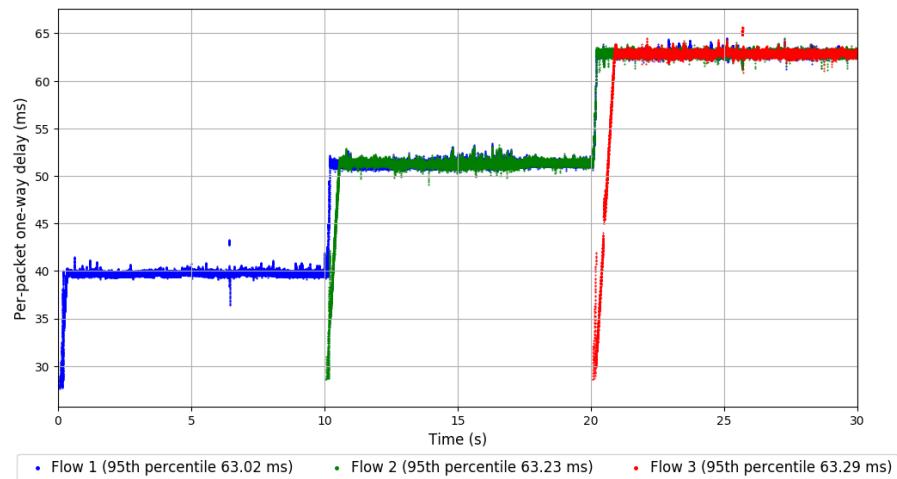
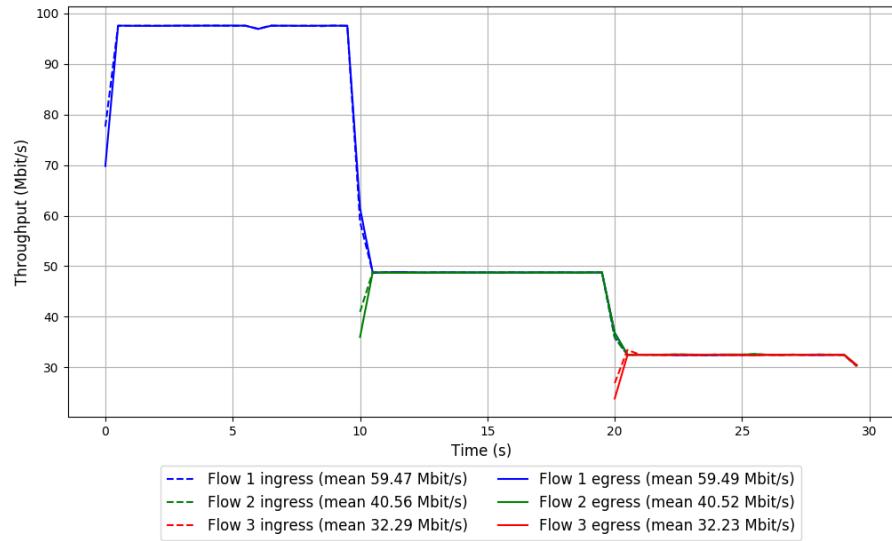


Run 8: Statistics of TCP Cubic

```
Start at: 2018-02-03 00:51:39
End at: 2018-02-03 00:52:09
Local clock offset: -5.122 ms
Remote clock offset: -16.281 ms

# Below is generated by plot.py at 2018-02-03 05:40:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 63.163 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 59.49 Mbit/s
95th percentile per-packet one-way delay: 63.025 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.52 Mbit/s
95th percentile per-packet one-way delay: 63.230 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 32.23 Mbit/s
95th percentile per-packet one-way delay: 63.286 ms
Loss rate: 0.60%
```

Run 8: Report of TCP Cubic — Data Link

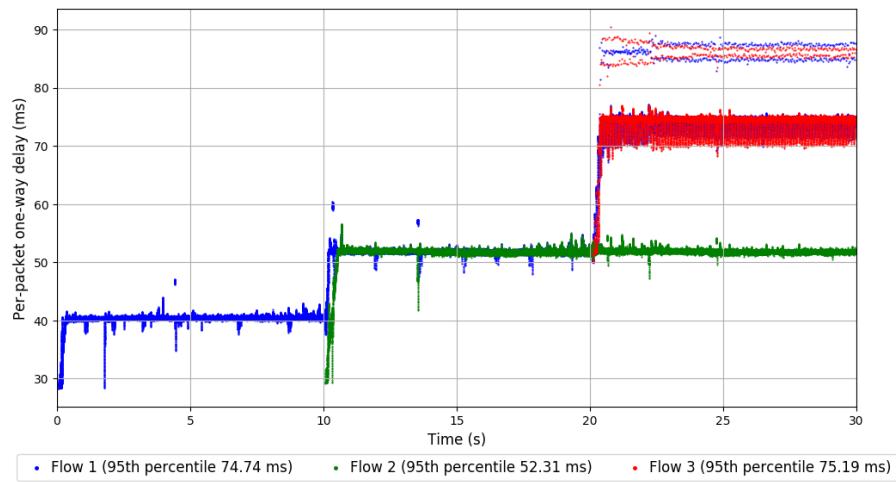
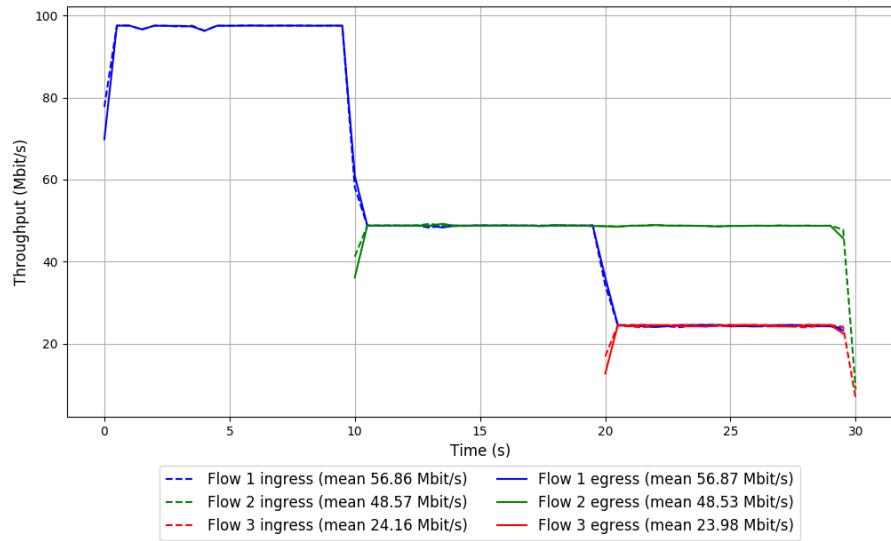


Run 9: Statistics of TCP Cubic

```
Start at: 2018-02-03 01:14:27
End at: 2018-02-03 01:14:57
Local clock offset: -4.253 ms
Remote clock offset: -18.311 ms

# Below is generated by plot.py at 2018-02-03 05:40:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 74.792 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 56.87 Mbit/s
95th percentile per-packet one-way delay: 74.743 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 48.53 Mbit/s
95th percentile per-packet one-way delay: 52.308 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 23.98 Mbit/s
95th percentile per-packet one-way delay: 75.186 ms
Loss rate: 2.36%
```

Run 9: Report of TCP Cubic — Data Link

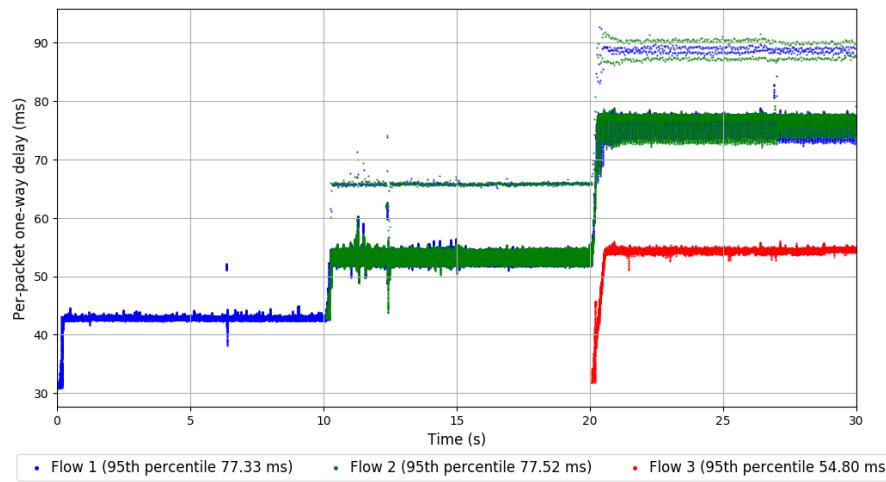
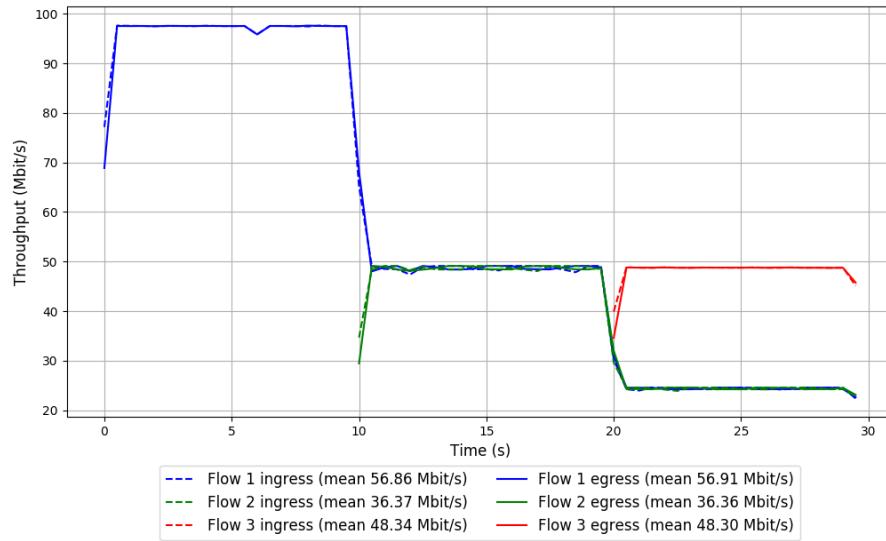


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2018-02-03 01:37:22
End at: 2018-02-03 01:37:52
Local clock offset: -3.052 ms
Remote clock offset: -20.819 ms

# Below is generated by plot.py at 2018-02-03 05:40:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 77.376 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.91 Mbit/s
95th percentile per-packet one-way delay: 77.333 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 36.36 Mbit/s
95th percentile per-packet one-way delay: 77.522 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 48.30 Mbit/s
95th percentile per-packet one-way delay: 54.800 ms
Loss rate: 0.49%
```

Run 10: Report of TCP Cubic — Data Link

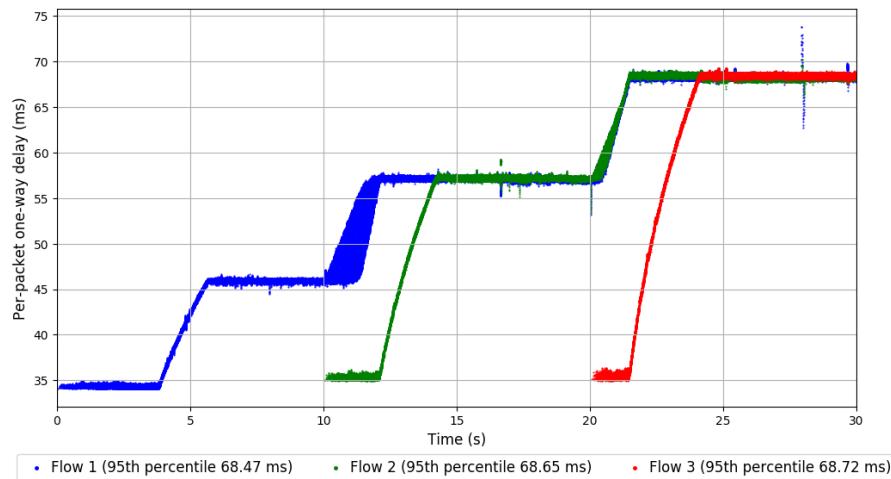
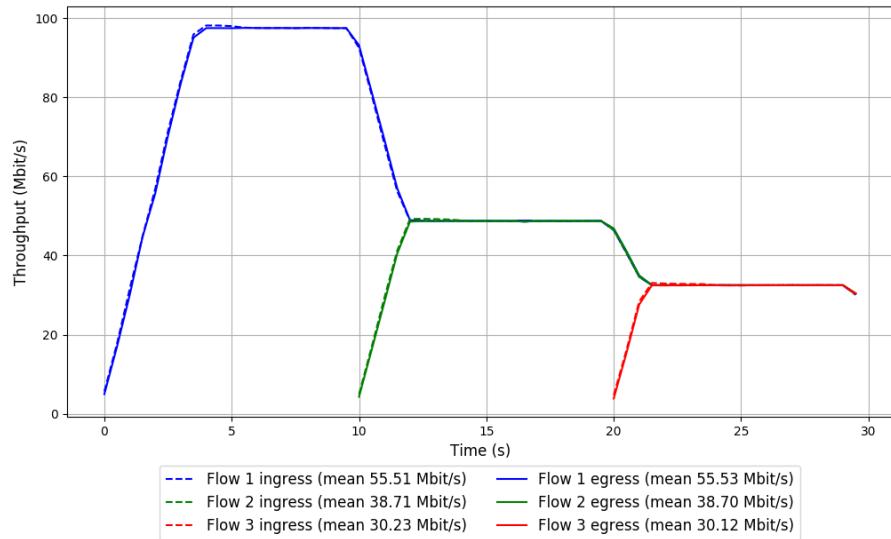


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2018-02-02 22:11:30
End at: 2018-02-02 22:12:00
Local clock offset: -4.489 ms
Remote clock offset: -21.883 ms

# Below is generated by plot.py at 2018-02-03 05:40:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.26 Mbit/s
95th percentile per-packet one-way delay: 68.613 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 55.53 Mbit/s
95th percentile per-packet one-way delay: 68.469 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 38.70 Mbit/s
95th percentile per-packet one-way delay: 68.648 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 30.12 Mbit/s
95th percentile per-packet one-way delay: 68.723 ms
Loss rate: 0.70%
```

Run 1: Report of LEDBAT — Data Link

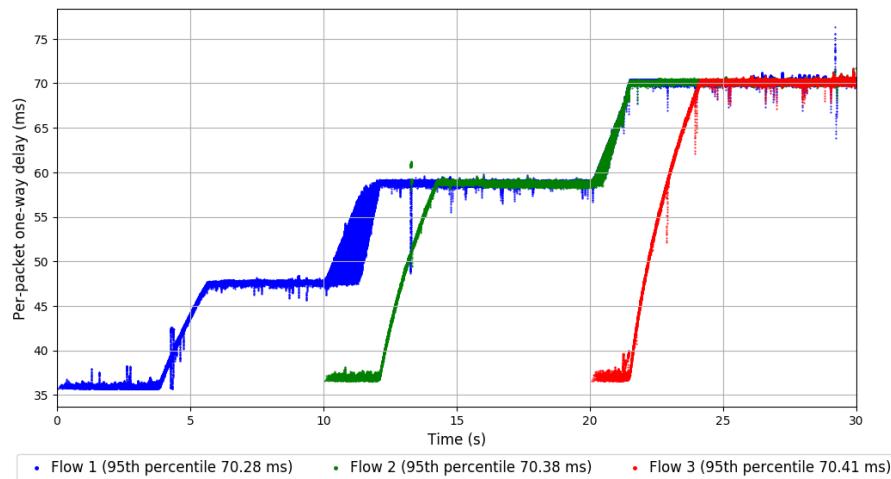
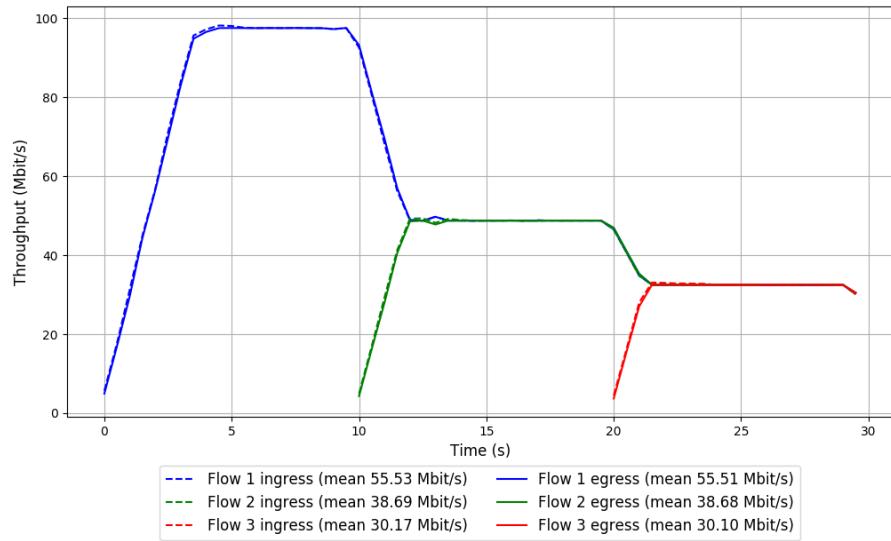


Run 2: Statistics of LEDBAT

```
Start at: 2018-02-02 22:33:32
End at: 2018-02-02 22:34:02
Local clock offset: -2.029 ms
Remote clock offset: -24.962 ms

# Below is generated by plot.py at 2018-02-03 05:40:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.22 Mbit/s
95th percentile per-packet one-way delay: 70.358 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 55.51 Mbit/s
95th percentile per-packet one-way delay: 70.275 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 38.68 Mbit/s
95th percentile per-packet one-way delay: 70.380 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 30.10 Mbit/s
95th percentile per-packet one-way delay: 70.413 ms
Loss rate: 0.70%
```

Run 2: Report of LEDBAT — Data Link

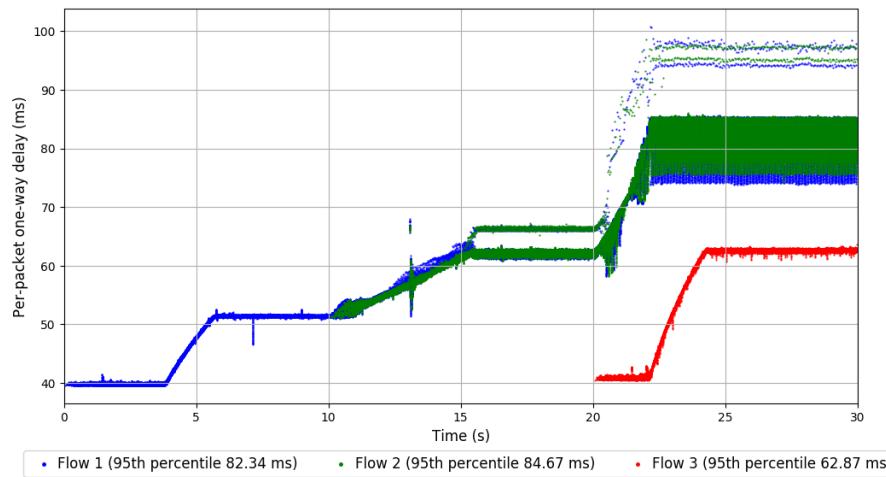
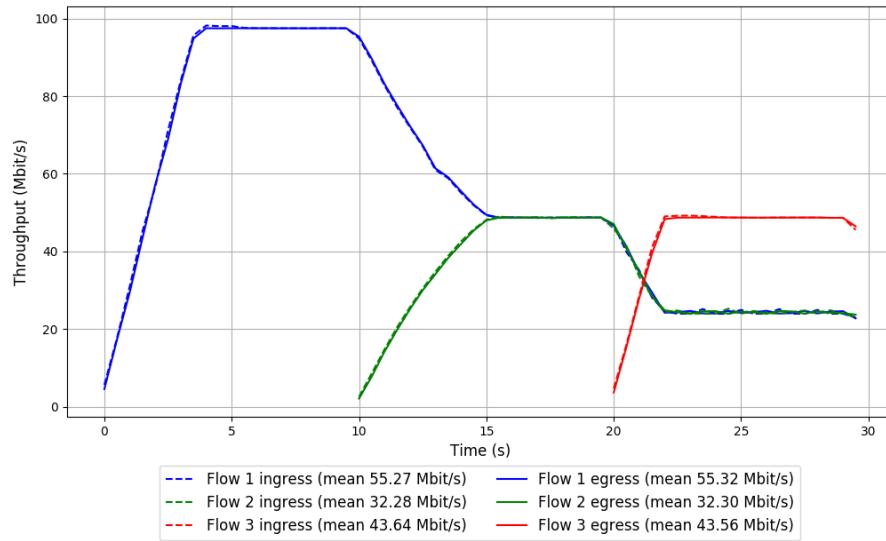


Run 3: Statistics of LEDBAT

```
Start at: 2018-02-02 22:55:19
End at: 2018-02-02 22:55:49
Local clock offset: -0.374 ms
Remote clock offset: -25.344 ms

# Below is generated by plot.py at 2018-02-03 05:40:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.21 Mbit/s
95th percentile per-packet one-way delay: 82.960 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 55.32 Mbit/s
95th percentile per-packet one-way delay: 82.339 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 32.30 Mbit/s
95th percentile per-packet one-way delay: 84.675 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 43.56 Mbit/s
95th percentile per-packet one-way delay: 62.865 ms
Loss rate: 0.60%
```

Run 3: Report of LEDBAT — Data Link

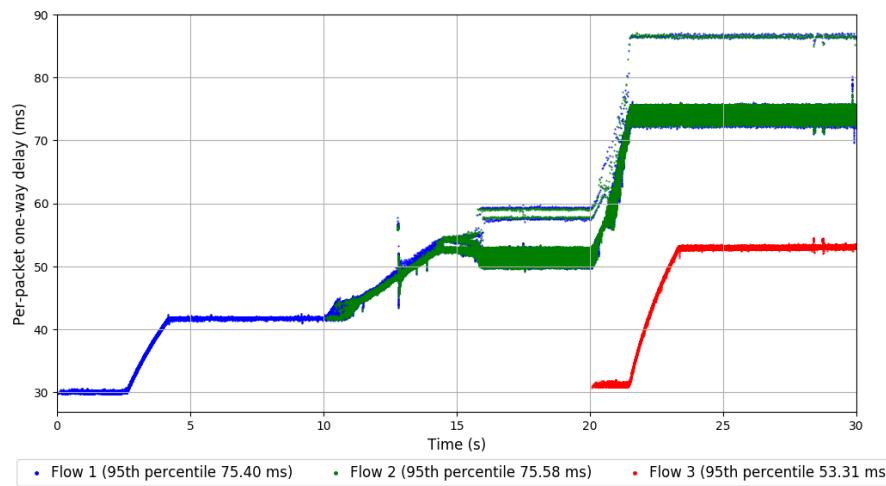
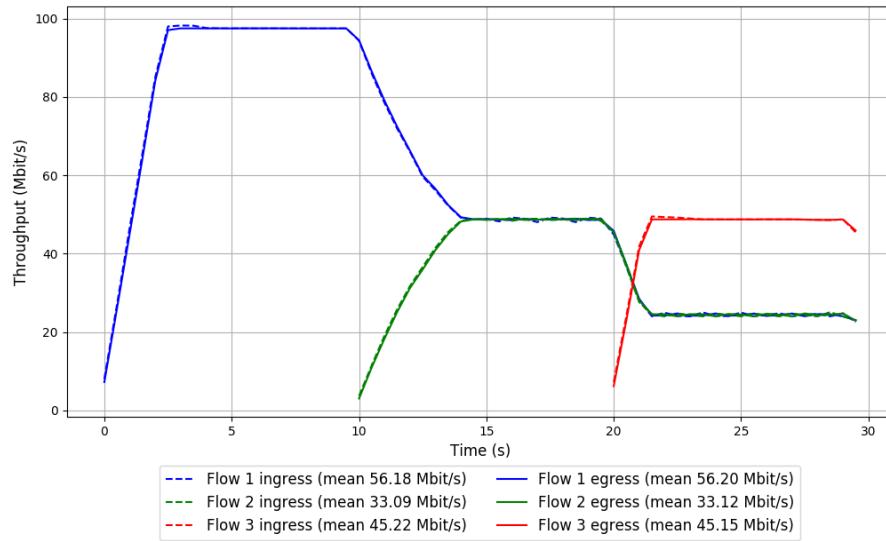


Run 4: Statistics of LEDBAT

```
Start at: 2018-02-02 23:16:54
End at: 2018-02-02 23:17:24
Local clock offset: -1.66 ms
Remote clock offset: -20.503 ms

# Below is generated by plot.py at 2018-02-03 05:40:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.19 Mbit/s
95th percentile per-packet one-way delay: 75.456 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 56.20 Mbit/s
95th percentile per-packet one-way delay: 75.399 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 33.12 Mbit/s
95th percentile per-packet one-way delay: 75.583 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 45.15 Mbit/s
95th percentile per-packet one-way delay: 53.313 ms
Loss rate: 0.52%
```

Run 4: Report of LEDBAT — Data Link

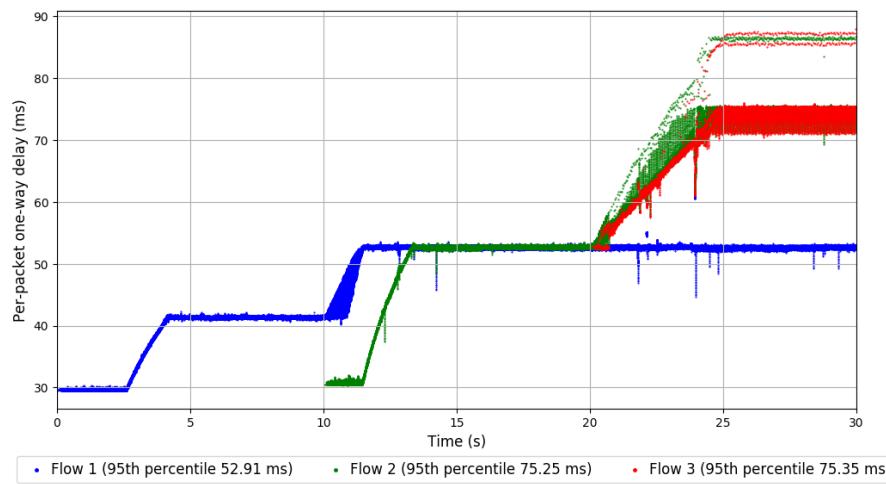
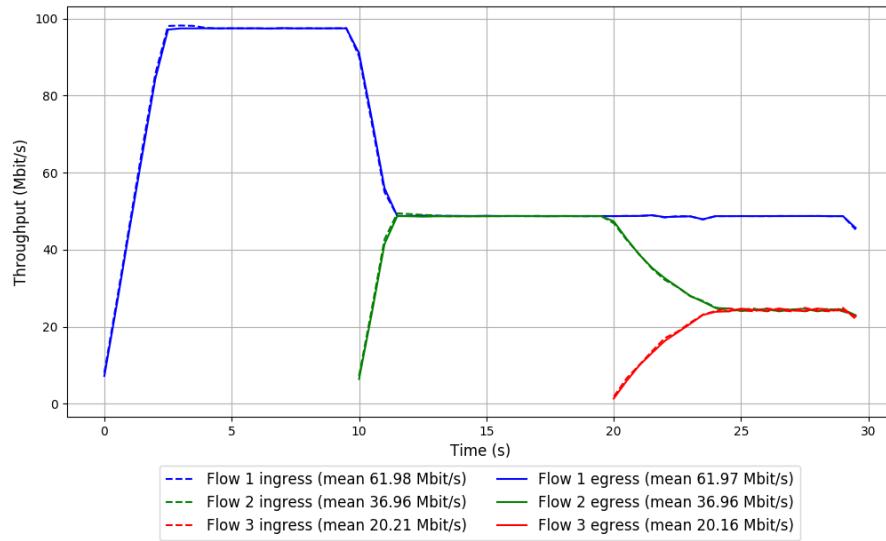


Run 5: Statistics of LEDBAT

```
Start at: 2018-02-02 23:38:18
End at: 2018-02-02 23:38:48
Local clock offset: -3.319 ms
Remote clock offset: -15.745 ms

# Below is generated by plot.py at 2018-02-03 05:40:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.23 Mbit/s
95th percentile per-packet one-way delay: 75.122 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 61.97 Mbit/s
95th percentile per-packet one-way delay: 52.914 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 36.96 Mbit/s
95th percentile per-packet one-way delay: 75.252 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 20.16 Mbit/s
95th percentile per-packet one-way delay: 75.352 ms
Loss rate: 0.82%
```

Run 5: Report of LEDBAT — Data Link

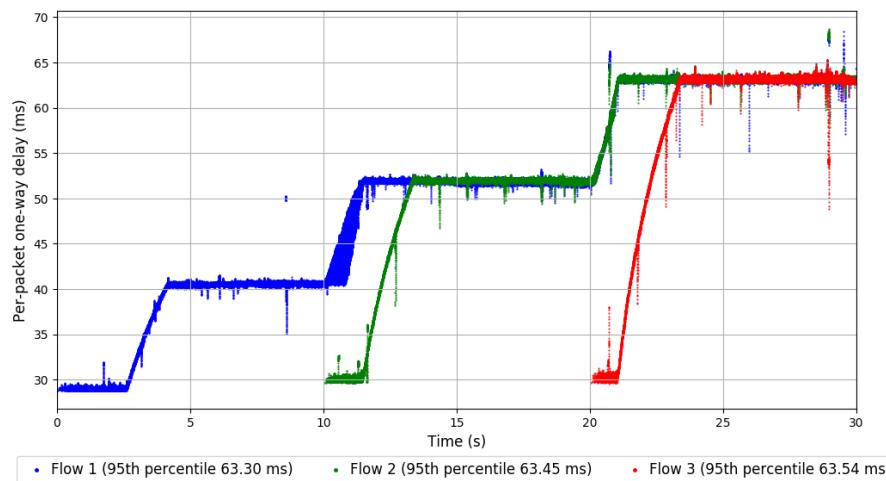
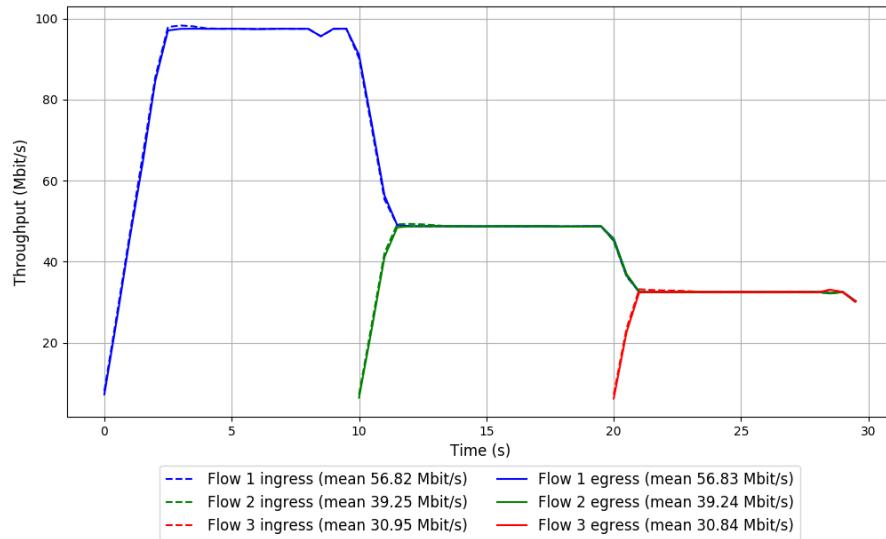


Run 6: Statistics of LEDBAT

```
Start at: 2018-02-02 23:59:50
End at: 2018-02-03 00:00:20
Local clock offset: -4.782 ms
Remote clock offset: -16.32 ms

# Below is generated by plot.py at 2018-02-03 05:41:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.16 Mbit/s
95th percentile per-packet one-way delay: 63.420 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 56.83 Mbit/s
95th percentile per-packet one-way delay: 63.295 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 39.24 Mbit/s
95th percentile per-packet one-way delay: 63.452 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 30.84 Mbit/s
95th percentile per-packet one-way delay: 63.539 ms
Loss rate: 0.62%
```

Run 6: Report of LEDBAT — Data Link

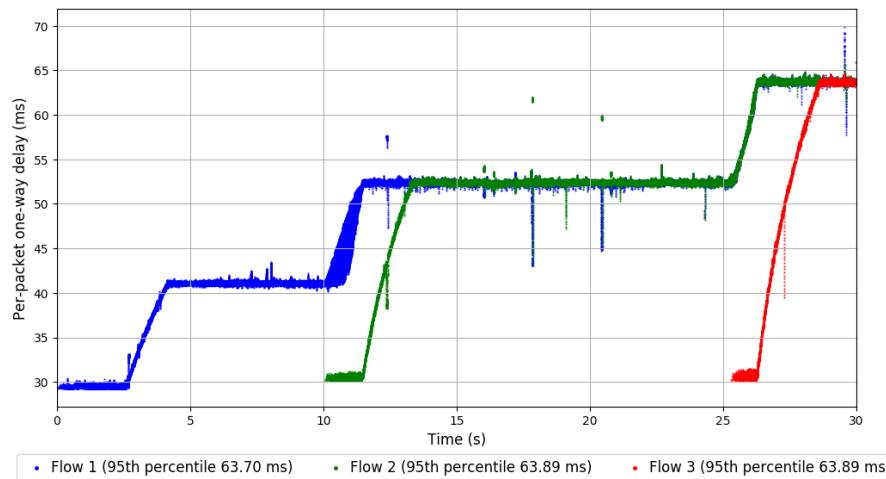
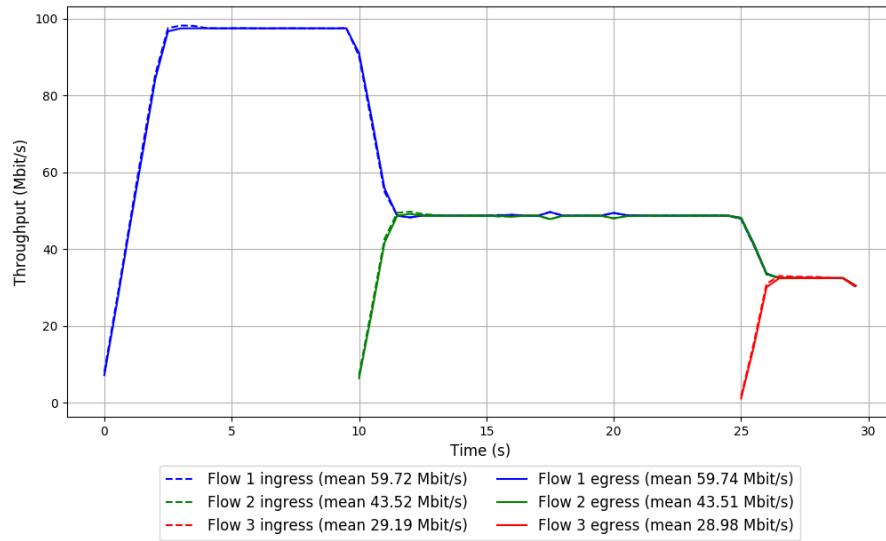


Run 7: Statistics of LEDBAT

```
Start at: 2018-02-03 00:21:33
End at: 2018-02-03 00:22:03
Local clock offset: -4.019 ms
Remote clock offset: -18.364 ms

# Below is generated by plot.py at 2018-02-03 05:41:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.22 Mbit/s
95th percentile per-packet one-way delay: 63.833 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 59.74 Mbit/s
95th percentile per-packet one-way delay: 63.696 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 43.51 Mbit/s
95th percentile per-packet one-way delay: 63.888 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 28.98 Mbit/s
95th percentile per-packet one-way delay: 63.894 ms
Loss rate: 1.41%
```

Run 7: Report of LEDBAT — Data Link

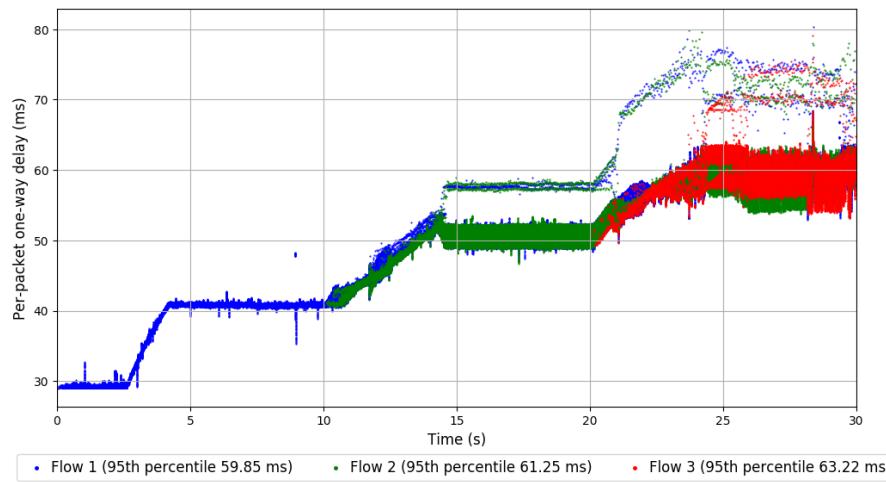
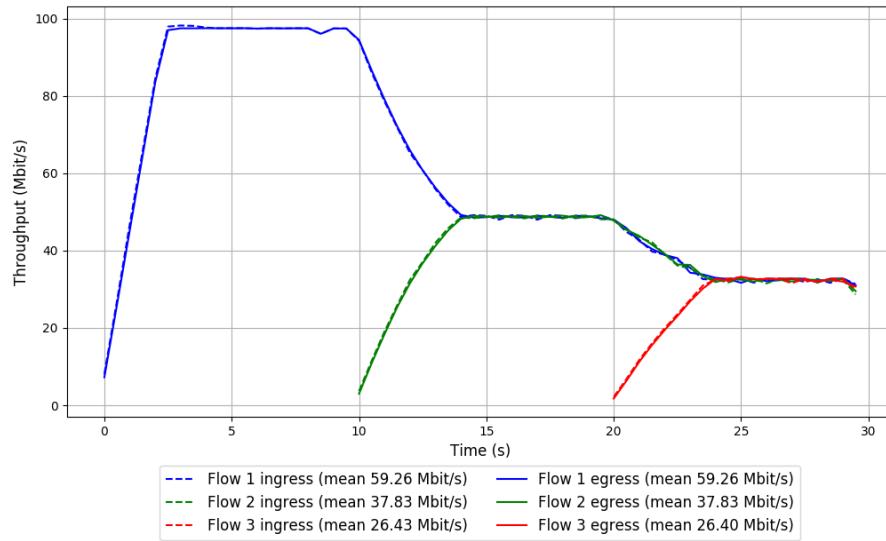


Run 8: Statistics of LEDBAT

```
Start at: 2018-02-03 00:44:00
End at: 2018-02-03 00:44:30
Local clock offset: -3.219 ms
Remote clock offset: -16.549 ms

# Below is generated by plot.py at 2018-02-03 05:41:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.14 Mbit/s
95th percentile per-packet one-way delay: 61.118 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 59.26 Mbit/s
95th percentile per-packet one-way delay: 59.855 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 37.83 Mbit/s
95th percentile per-packet one-way delay: 61.253 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 26.40 Mbit/s
95th percentile per-packet one-way delay: 63.216 ms
Loss rate: 0.69%
```

Run 8: Report of LEDBAT — Data Link

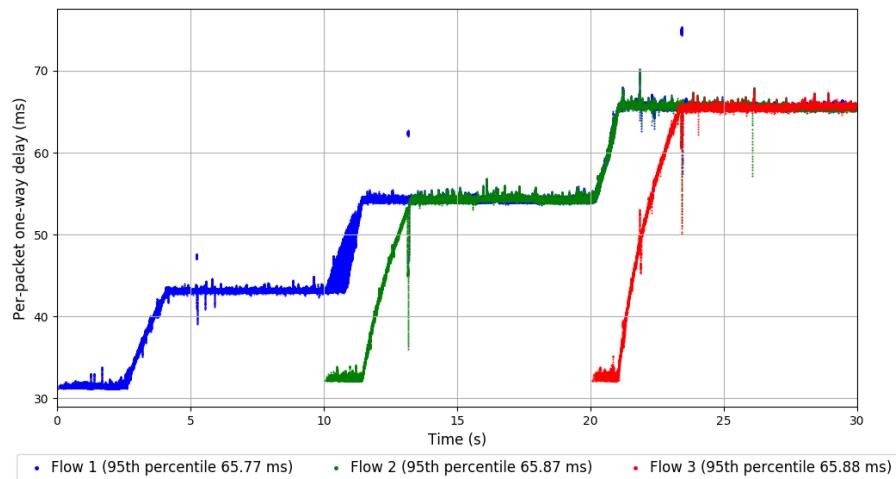
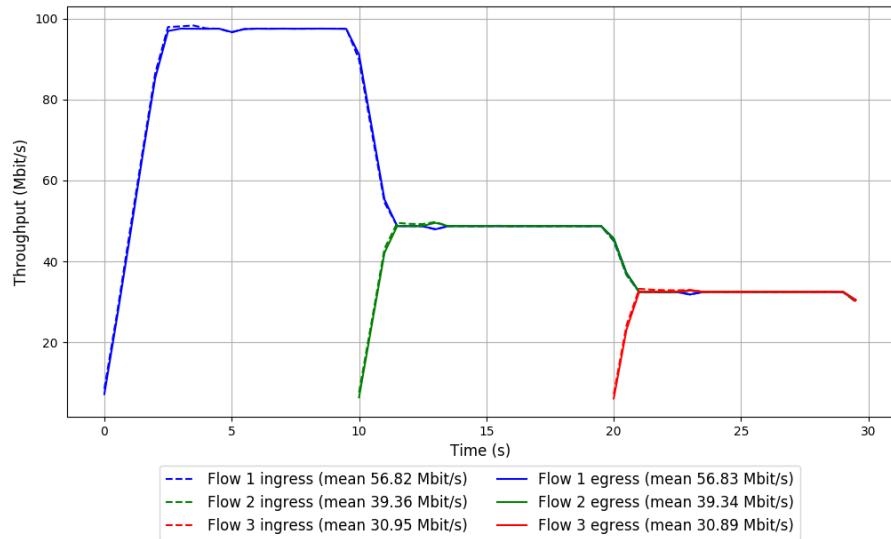


Run 9: Statistics of LEDBAT

```
Start at: 2018-02-03 01:06:51
End at: 2018-02-03 01:07:21
Local clock offset: -3.324 ms
Remote clock offset: -19.446 ms

# Below is generated by plot.py at 2018-02-03 05:41:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.26 Mbit/s
95th percentile per-packet one-way delay: 65.827 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 56.83 Mbit/s
95th percentile per-packet one-way delay: 65.766 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 39.34 Mbit/s
95th percentile per-packet one-way delay: 65.871 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 30.89 Mbit/s
95th percentile per-packet one-way delay: 65.876 ms
Loss rate: 0.63%
```

Run 9: Report of LEDBAT — Data Link

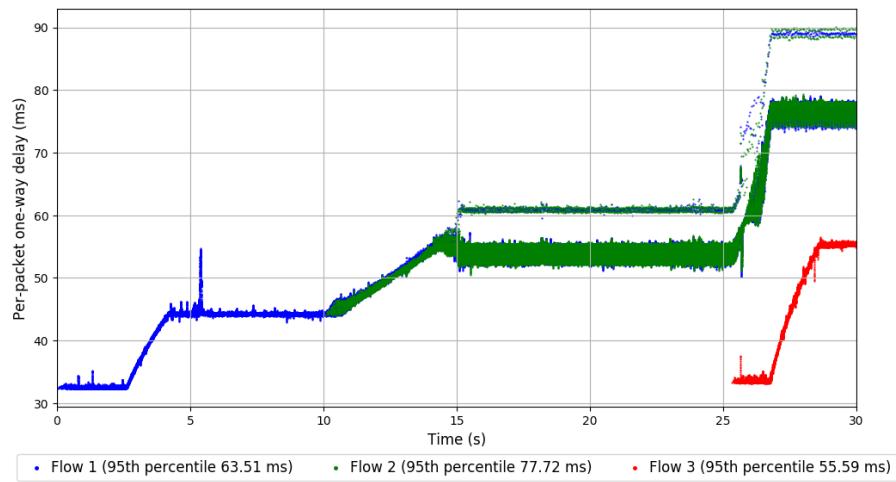
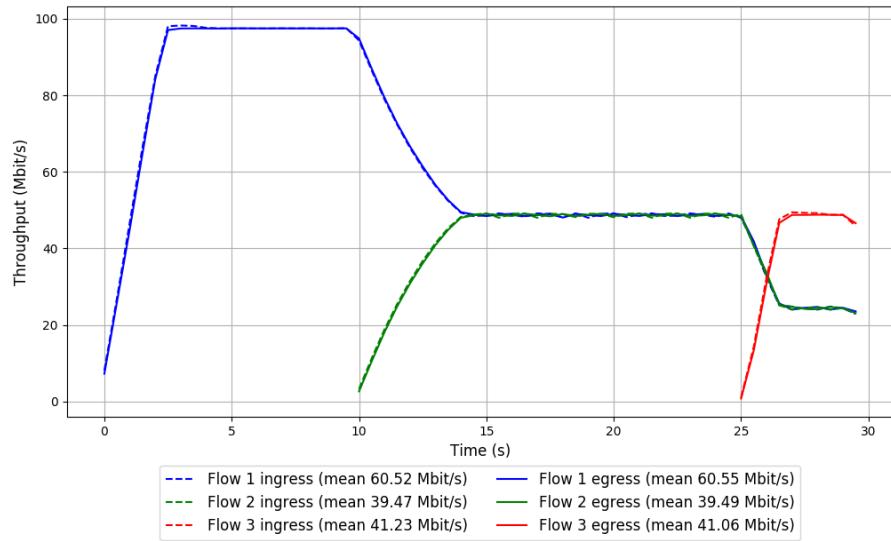


Run 10: Statistics of LEDBAT

```
Start at: 2018-02-03 01:29:52
End at: 2018-02-03 01:30:22
Local clock offset: -2.089 ms
Remote clock offset: -21.518 ms

# Below is generated by plot.py at 2018-02-03 05:41:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.19 Mbit/s
95th percentile per-packet one-way delay: 75.832 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 60.55 Mbit/s
95th percentile per-packet one-way delay: 63.513 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 39.49 Mbit/s
95th percentile per-packet one-way delay: 77.720 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 41.06 Mbit/s
95th percentile per-packet one-way delay: 55.589 ms
Loss rate: 1.21%
```

Run 10: Report of LEDBAT — Data Link

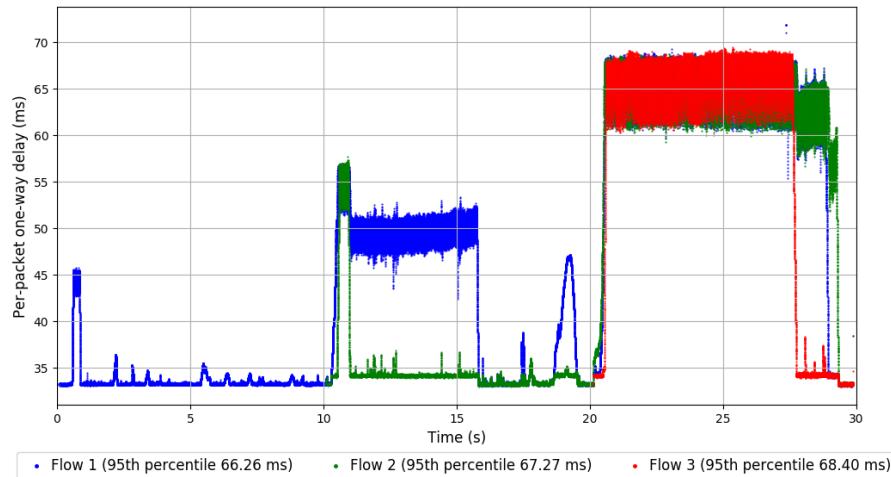
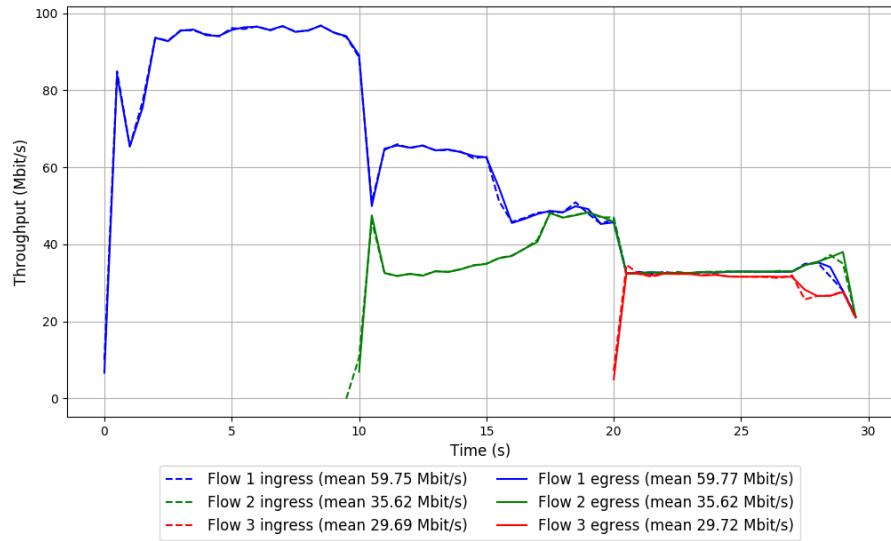


Run 1: Statistics of PCC

```
Start at: 2018-02-02 22:13:49
End at: 2018-02-02 22:14:19
Local clock offset: -5.675 ms
Remote clock offset: -22.62 ms

# Below is generated by plot.py at 2018-02-03 05:41:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.22 Mbit/s
95th percentile per-packet one-way delay: 67.294 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 59.77 Mbit/s
95th percentile per-packet one-way delay: 66.258 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 35.62 Mbit/s
95th percentile per-packet one-way delay: 67.270 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 29.72 Mbit/s
95th percentile per-packet one-way delay: 68.402 ms
Loss rate: 0.29%
```

Run 1: Report of PCC — Data Link

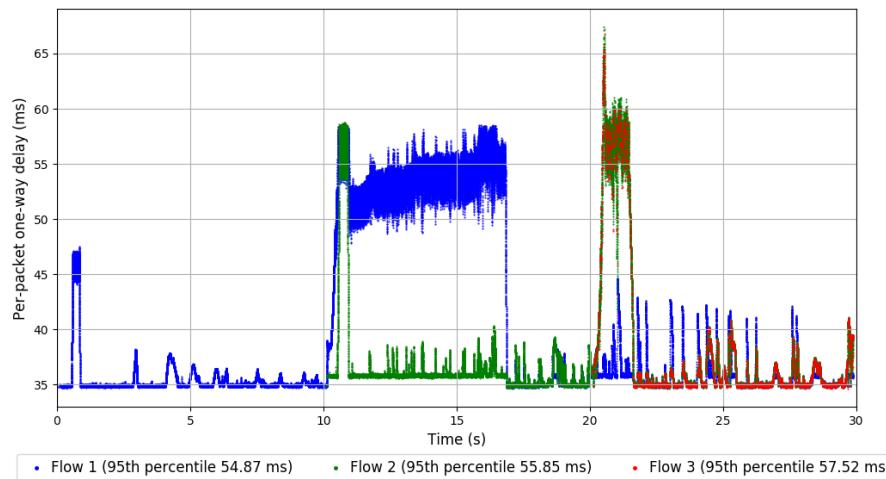
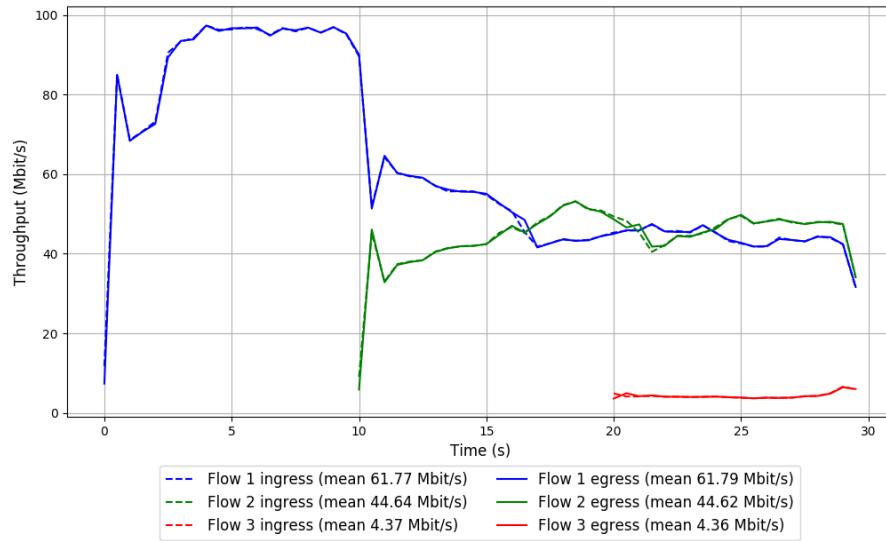


Run 2: Statistics of PCC

```
Start at: 2018-02-02 22:35:54
End at: 2018-02-02 22:36:24
Local clock offset: -1.817 ms
Remote clock offset: -24.135 ms

# Below is generated by plot.py at 2018-02-03 05:41:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.87 Mbit/s
95th percentile per-packet one-way delay: 55.038 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 61.79 Mbit/s
95th percentile per-packet one-way delay: 54.866 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 44.62 Mbit/s
95th percentile per-packet one-way delay: 55.846 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 4.36 Mbit/s
95th percentile per-packet one-way delay: 57.524 ms
Loss rate: 0.55%
```

Run 2: Report of PCC — Data Link

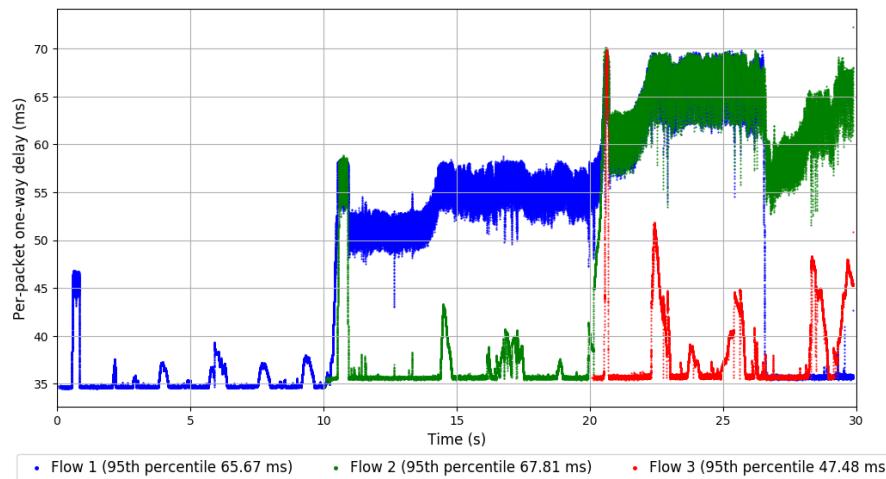
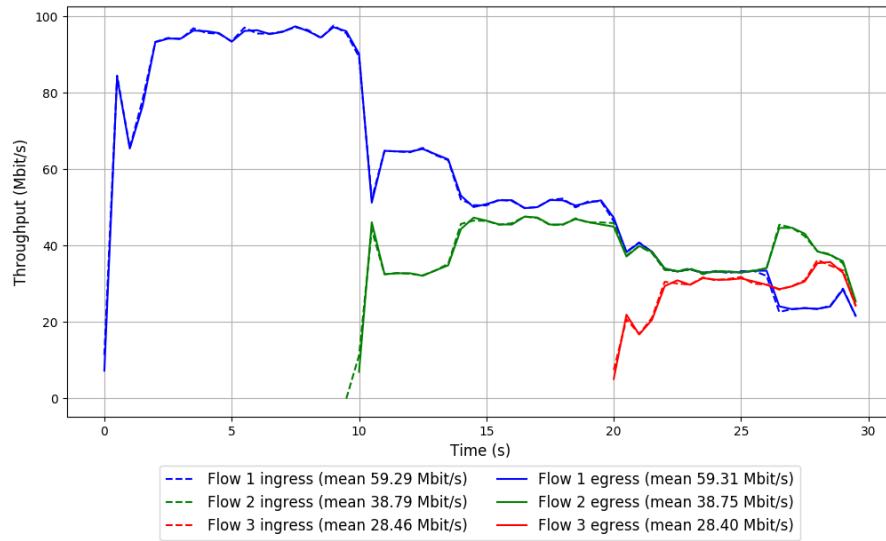


Run 3: Statistics of PCC

```
Start at: 2018-02-02 22:57:40
End at: 2018-02-02 22:58:10
Local clock offset: -2.276 ms
Remote clock offset: -22.253 ms

# Below is generated by plot.py at 2018-02-03 05:41:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.41 Mbit/s
95th percentile per-packet one-way delay: 66.659 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 59.31 Mbit/s
95th percentile per-packet one-way delay: 65.666 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 38.75 Mbit/s
95th percentile per-packet one-way delay: 67.809 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 28.40 Mbit/s
95th percentile per-packet one-way delay: 47.484 ms
Loss rate: 0.47%
```

Run 3: Report of PCC — Data Link

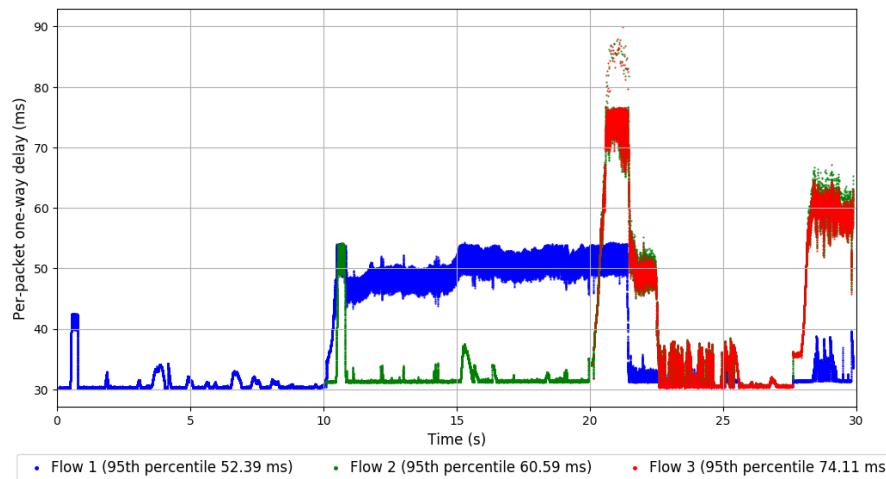
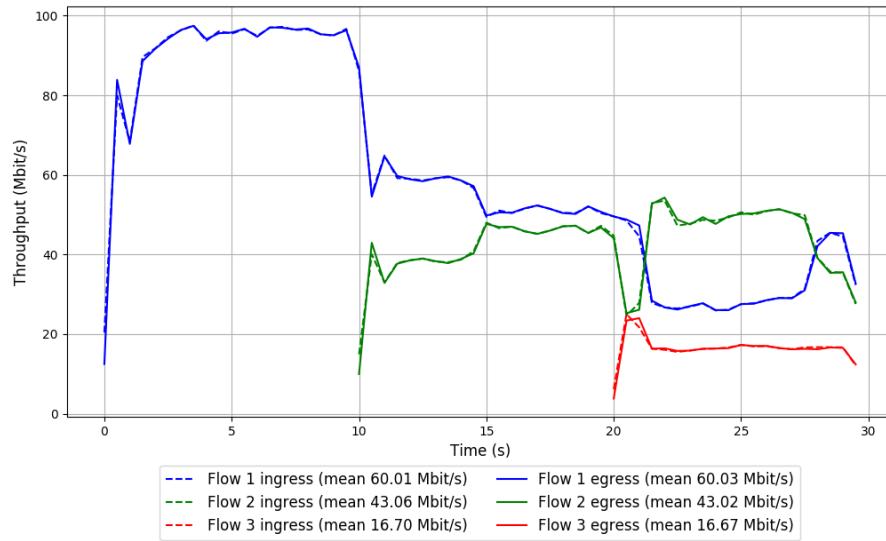


Run 4: Statistics of PCC

```
Start at: 2018-02-02 23:19:12
End at: 2018-02-02 23:19:42
Local clock offset: -2.072 ms
Remote clock offset: -20.424 ms

# Below is generated by plot.py at 2018-02-03 05:43:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.10 Mbit/s
95th percentile per-packet one-way delay: 55.279 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 60.03 Mbit/s
95th percentile per-packet one-way delay: 52.394 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 43.02 Mbit/s
95th percentile per-packet one-way delay: 60.586 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 16.67 Mbit/s
95th percentile per-packet one-way delay: 74.112 ms
Loss rate: 0.54%
```

Run 4: Report of PCC — Data Link

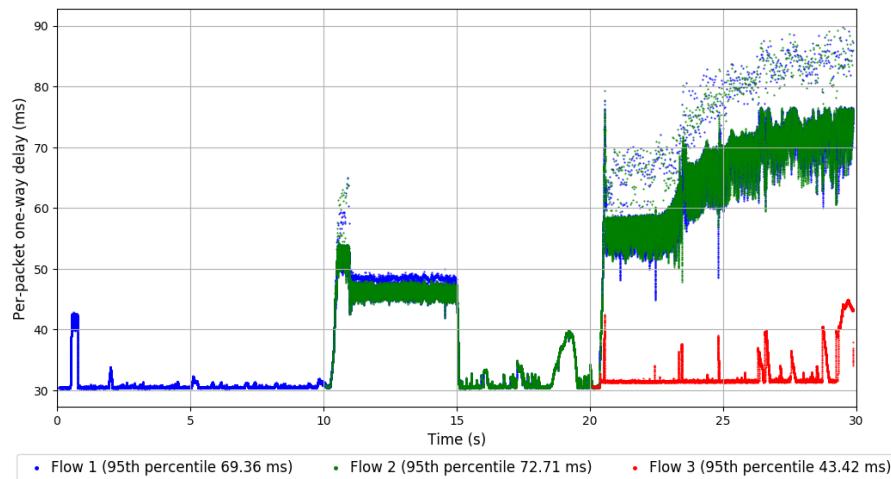
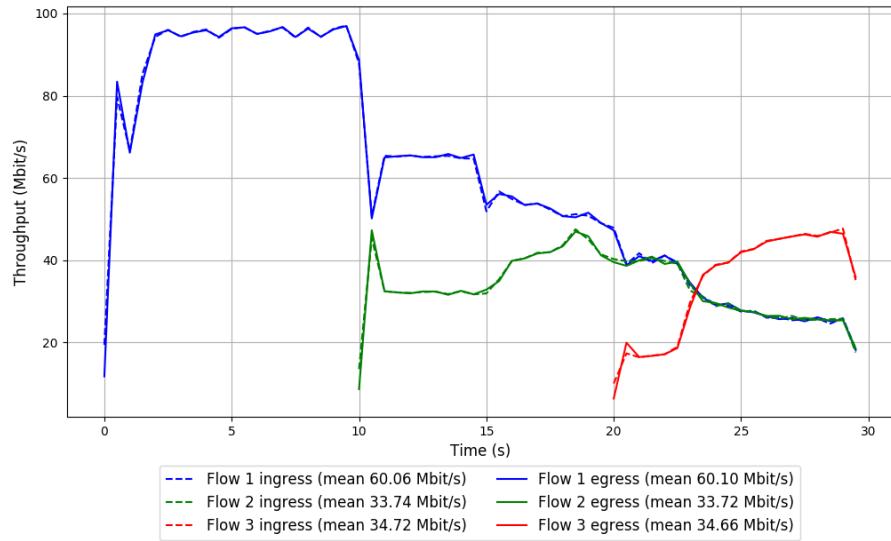


Run 5: Statistics of PCC

```
Start at: 2018-02-02 23:40:37
End at: 2018-02-02 23:41:07
Local clock offset: -3.284 ms
Remote clock offset: -16.215 ms

# Below is generated by plot.py at 2018-02-03 05:43:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.90 Mbit/s
95th percentile per-packet one-way delay: 70.483 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 60.10 Mbit/s
95th percentile per-packet one-way delay: 69.355 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 33.72 Mbit/s
95th percentile per-packet one-way delay: 72.714 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 34.66 Mbit/s
95th percentile per-packet one-way delay: 43.424 ms
Loss rate: 0.51%
```

Run 5: Report of PCC — Data Link

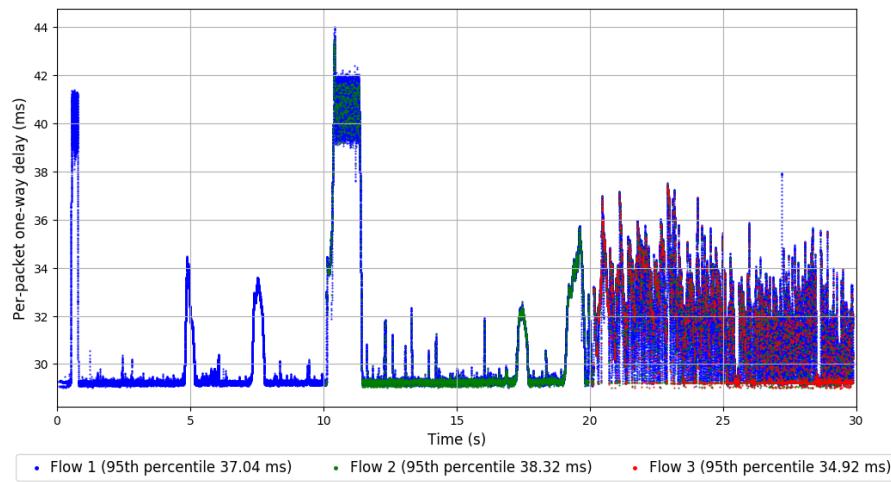
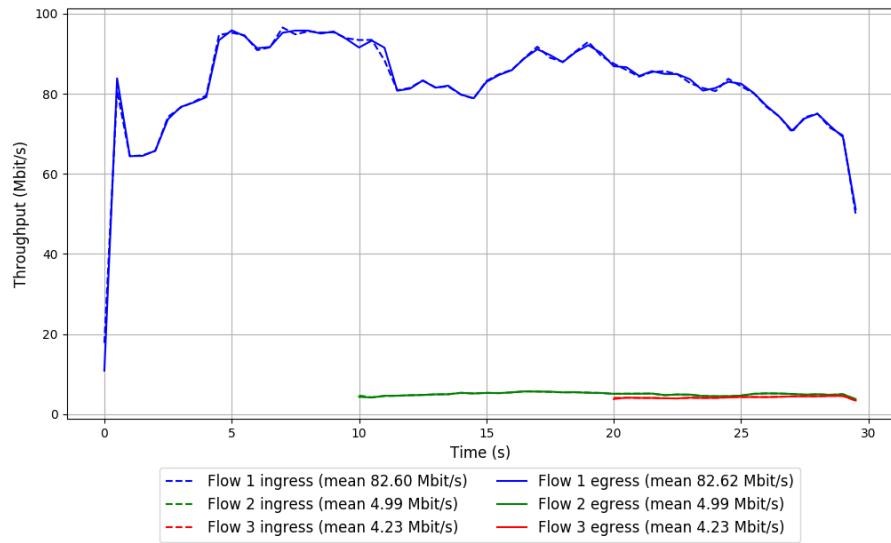


Run 6: Statistics of PCC

```
Start at: 2018-02-03 00:02:11
End at: 2018-02-03 00:02:41
Local clock offset: -5.776 ms
Remote clock offset: -17.769 ms

# Below is generated by plot.py at 2018-02-03 05:43:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.33 Mbit/s
95th percentile per-packet one-way delay: 36.901 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 82.62 Mbit/s
95th percentile per-packet one-way delay: 37.036 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 4.99 Mbit/s
95th percentile per-packet one-way delay: 38.324 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 4.23 Mbit/s
95th percentile per-packet one-way delay: 34.916 ms
Loss rate: 0.32%
```

Run 6: Report of PCC — Data Link

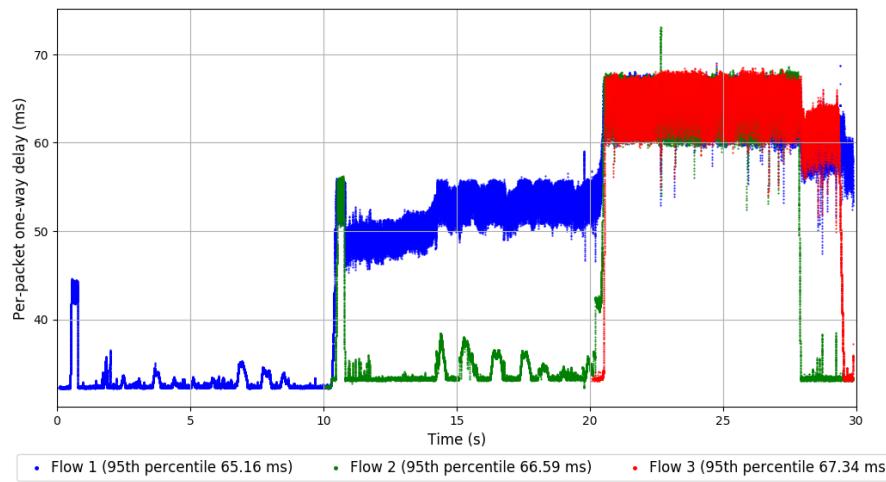
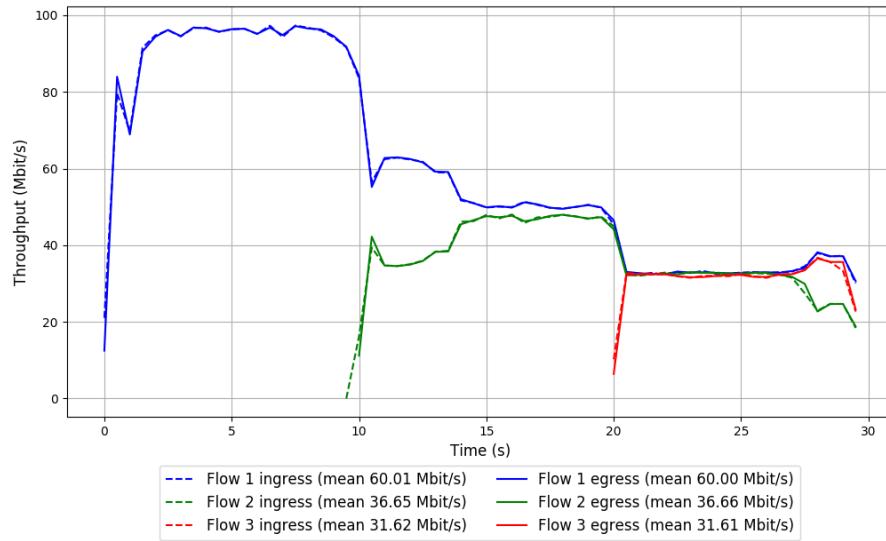


Run 7: Statistics of PCC

```
Start at: 2018-02-03 00:23:56
End at: 2018-02-03 00:24:26
Local clock offset: -1.719 ms
Remote clock offset: -19.265 ms

# Below is generated by plot.py at 2018-02-03 05:43:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.78 Mbit/s
95th percentile per-packet one-way delay: 66.373 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 60.00 Mbit/s
95th percentile per-packet one-way delay: 65.163 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 36.66 Mbit/s
95th percentile per-packet one-way delay: 66.592 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 31.61 Mbit/s
95th percentile per-packet one-way delay: 67.337 ms
Loss rate: 0.28%
```

Run 7: Report of PCC — Data Link

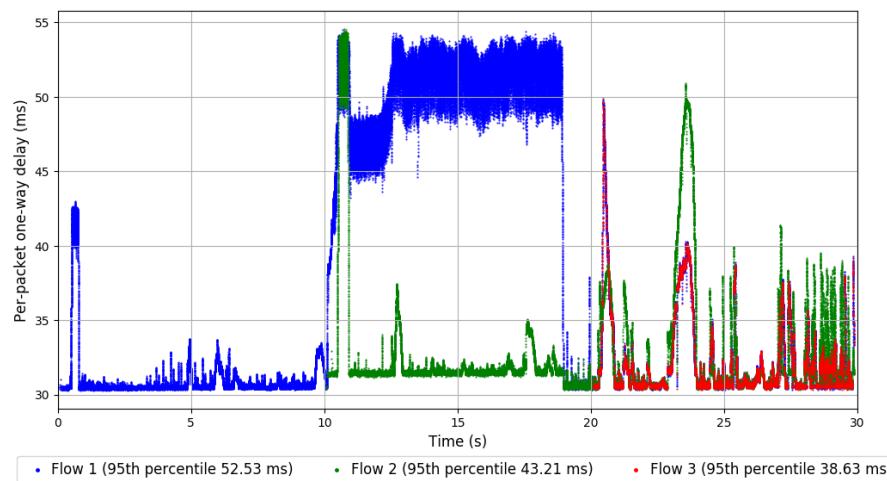
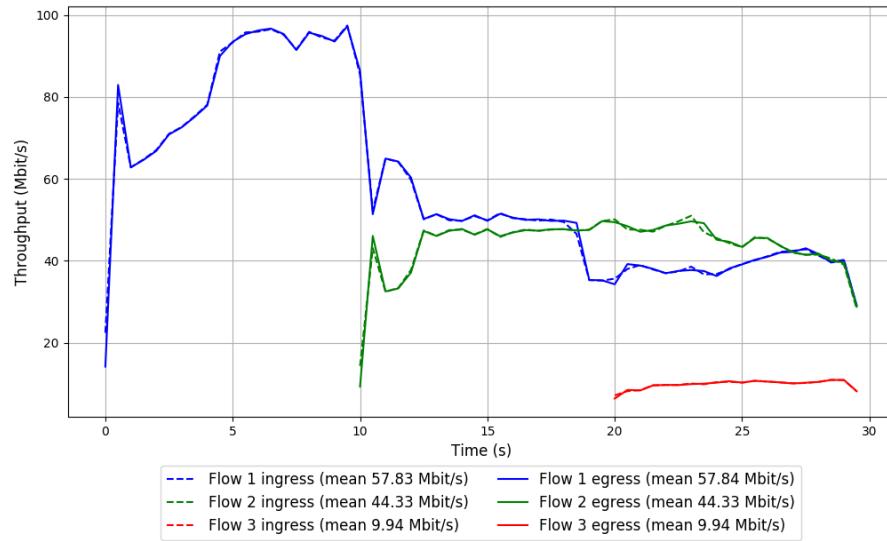


Run 8: Statistics of PCC

```
Start at: 2018-02-03 00:46:23
End at: 2018-02-03 00:46:53
Local clock offset: -3.899 ms
Remote clock offset: -18.329 ms

# Below is generated by plot.py at 2018-02-03 05:43:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.58 Mbit/s
95th percentile per-packet one-way delay: 52.076 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 57.84 Mbit/s
95th percentile per-packet one-way delay: 52.529 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 44.33 Mbit/s
95th percentile per-packet one-way delay: 43.207 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 9.94 Mbit/s
95th percentile per-packet one-way delay: 38.632 ms
Loss rate: 0.30%
```

Run 8: Report of PCC — Data Link

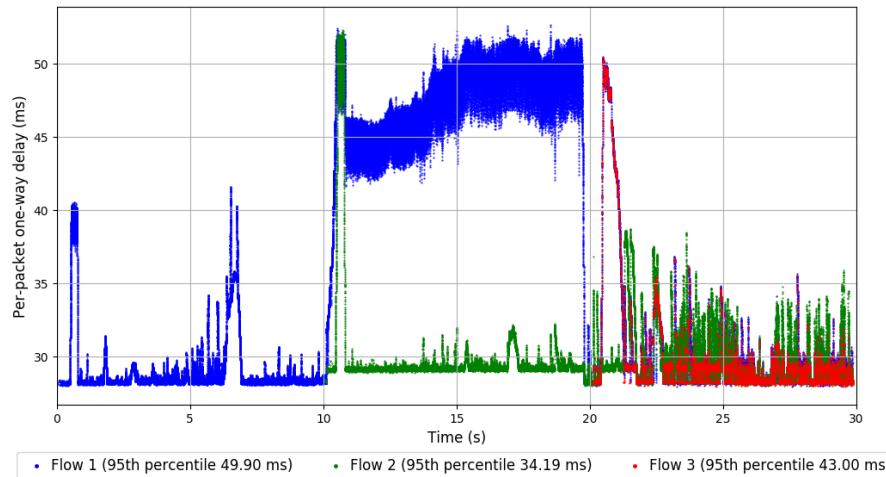
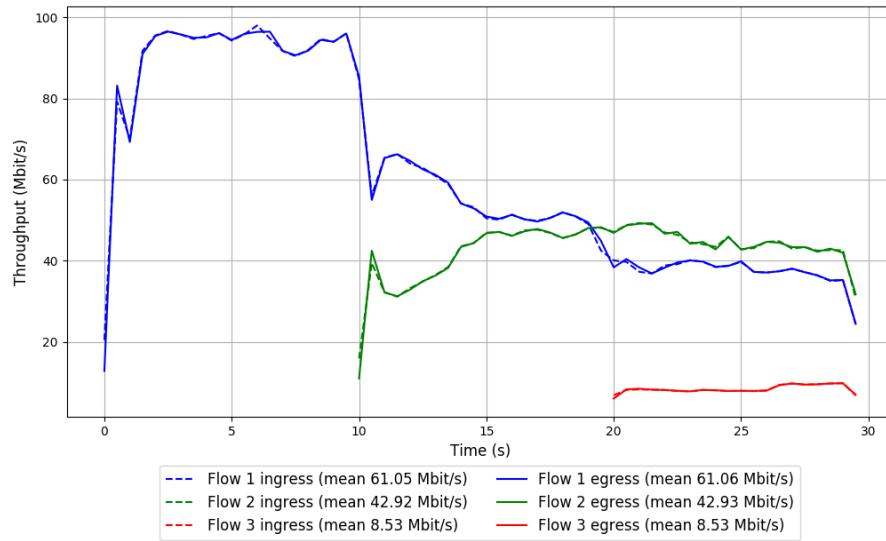


Run 9: Statistics of PCC

```
Start at: 2018-02-03 01:09:18
End at: 2018-02-03 01:09:48
Local clock offset: -5.665 ms
Remote clock offset: -18.951 ms

# Below is generated by plot.py at 2018-02-03 05:43:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.41 Mbit/s
95th percentile per-packet one-way delay: 49.401 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 61.06 Mbit/s
95th percentile per-packet one-way delay: 49.898 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 42.93 Mbit/s
95th percentile per-packet one-way delay: 34.187 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 8.53 Mbit/s
95th percentile per-packet one-way delay: 43.003 ms
Loss rate: 0.26%
```

Run 9: Report of PCC — Data Link

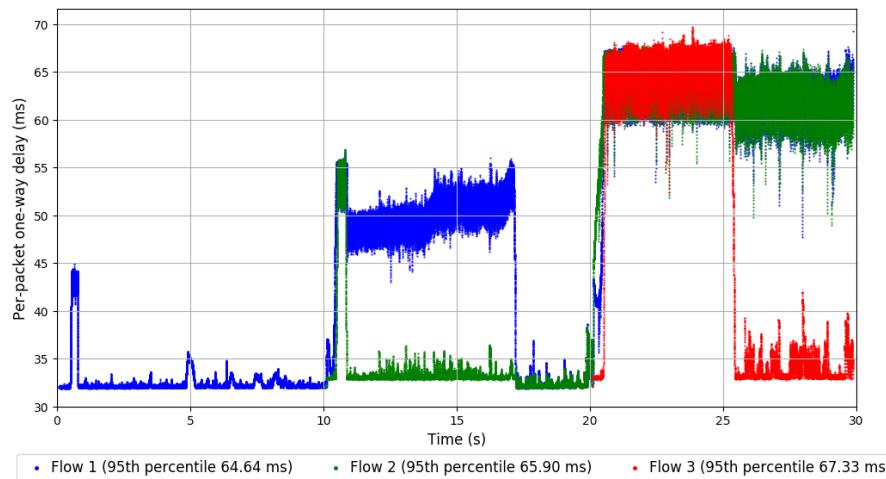
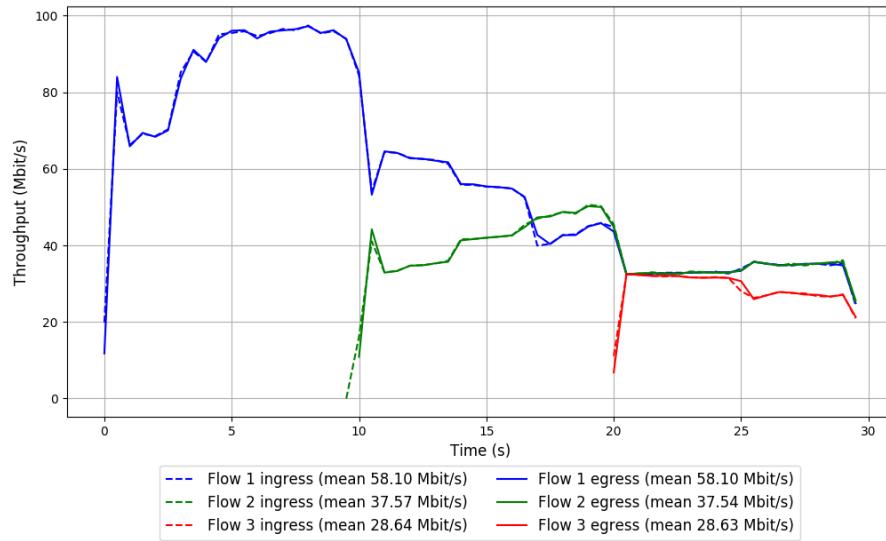


Run 10: Statistics of PCC

```
Start at: 2018-02-03 01:32:17
End at: 2018-02-03 01:32:47
Local clock offset: -1.531 ms
Remote clock offset: -20.625 ms

# Below is generated by plot.py at 2018-02-03 05:43:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.50 Mbit/s
95th percentile per-packet one-way delay: 65.832 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 58.10 Mbit/s
95th percentile per-packet one-way delay: 64.640 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 37.54 Mbit/s
95th percentile per-packet one-way delay: 65.904 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 28.63 Mbit/s
95th percentile per-packet one-way delay: 67.329 ms
Loss rate: 0.28%
```

Run 10: Report of PCC — Data Link

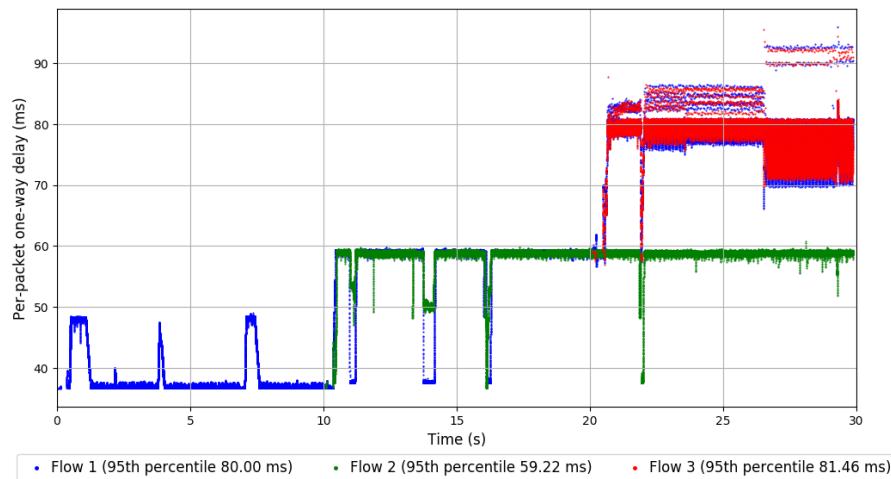
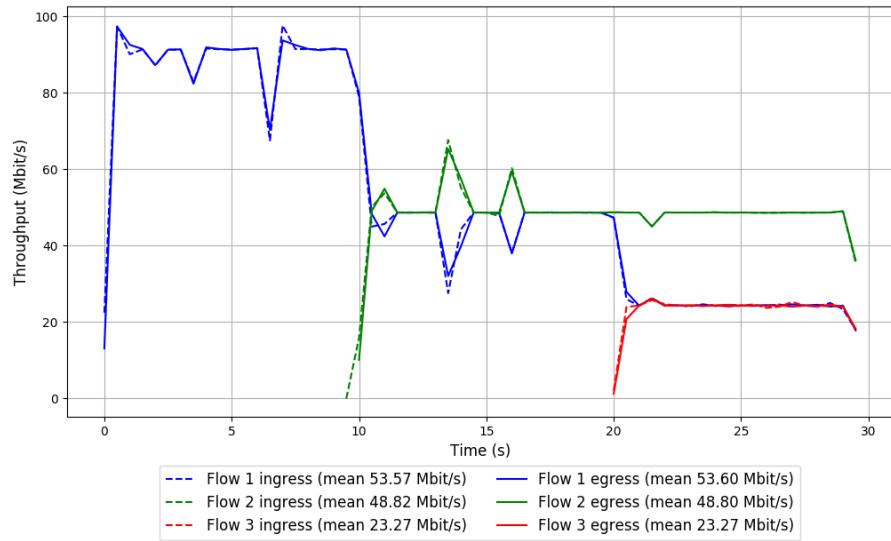


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-02-02 22:23:24
End at: 2018-02-02 22:23:54
Local clock offset: -3.451 ms
Remote clock offset: -25.641 ms

# Below is generated by plot.py at 2018-02-03 05:43:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.67 Mbit/s
95th percentile per-packet one-way delay: 80.142 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 53.60 Mbit/s
95th percentile per-packet one-way delay: 79.999 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 48.80 Mbit/s
95th percentile per-packet one-way delay: 59.223 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 23.27 Mbit/s
95th percentile per-packet one-way delay: 81.457 ms
Loss rate: 0.79%
```

Run 1: Report of QUIC Cubic — Data Link

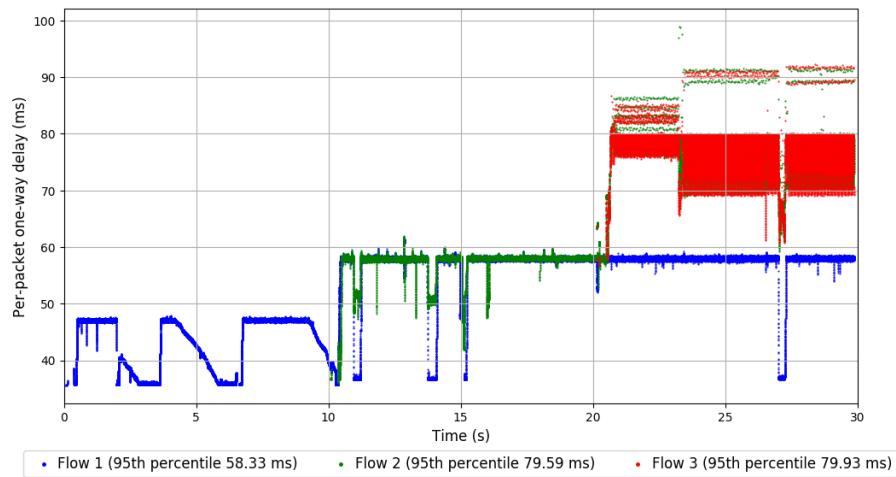
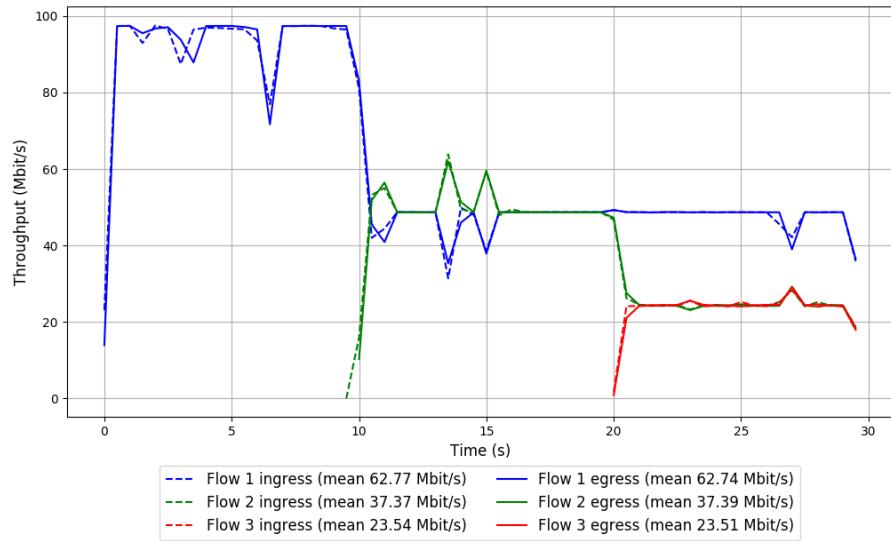


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-02-02 22:45:32
End at: 2018-02-02 22:46:02
Local clock offset: -4.19 ms
Remote clock offset: -26.258 ms

# Below is generated by plot.py at 2018-02-03 05:44:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.31 Mbit/s
95th percentile per-packet one-way delay: 78.716 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 62.74 Mbit/s
95th percentile per-packet one-way delay: 58.333 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 37.39 Mbit/s
95th percentile per-packet one-way delay: 79.588 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 23.51 Mbit/s
95th percentile per-packet one-way delay: 79.933 ms
Loss rate: 0.85%
```

Run 2: Report of QUIC Cubic — Data Link

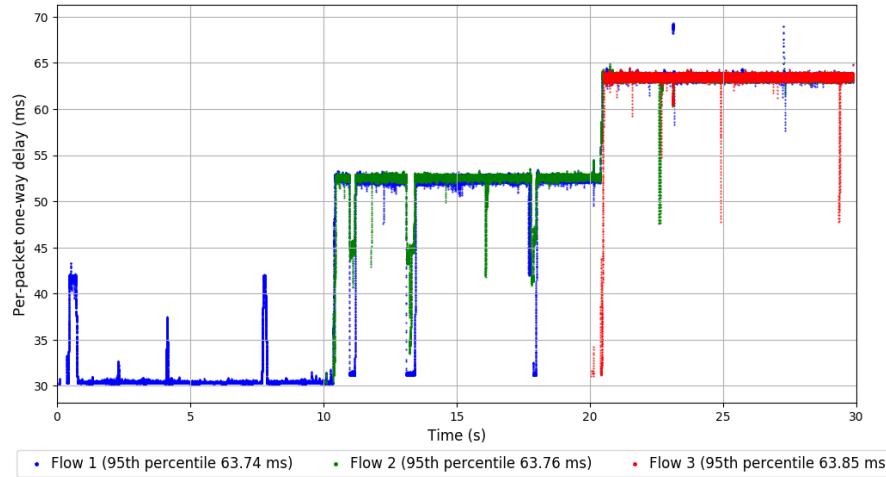
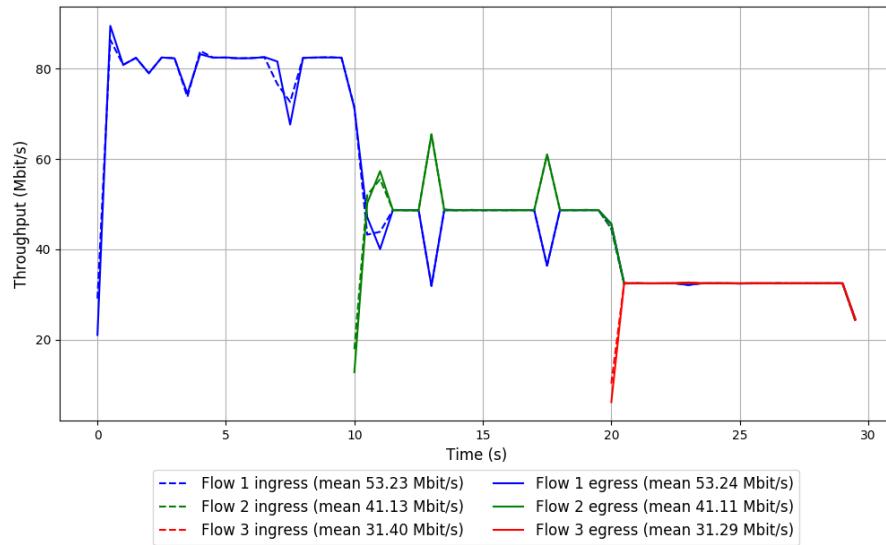


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-02-02 23:07:07
End at: 2018-02-02 23:07:37
Local clock offset: -1.584 ms
Remote clock offset: -22.464 ms

# Below is generated by plot.py at 2018-02-03 05:44:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.87 Mbit/s
95th percentile per-packet one-way delay: 63.787 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 53.24 Mbit/s
95th percentile per-packet one-way delay: 63.737 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 41.11 Mbit/s
95th percentile per-packet one-way delay: 63.757 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.29 Mbit/s
95th percentile per-packet one-way delay: 63.855 ms
Loss rate: 0.61%
```

Run 3: Report of QUIC Cubic — Data Link

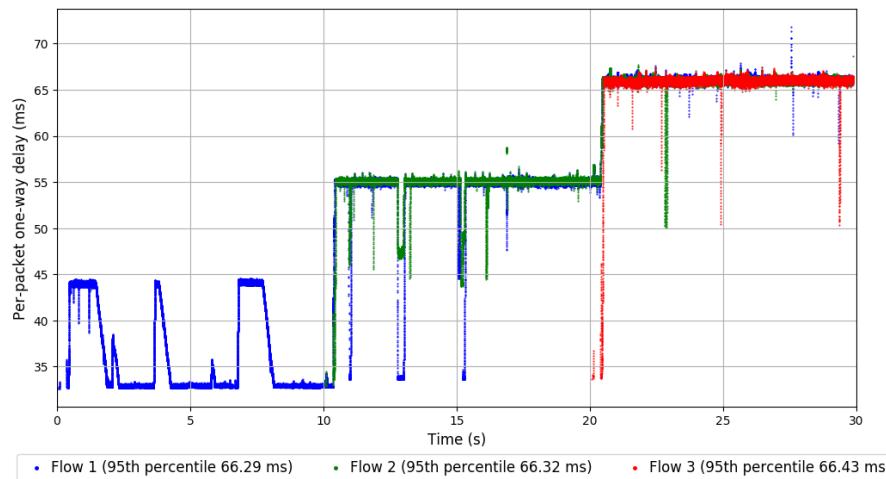
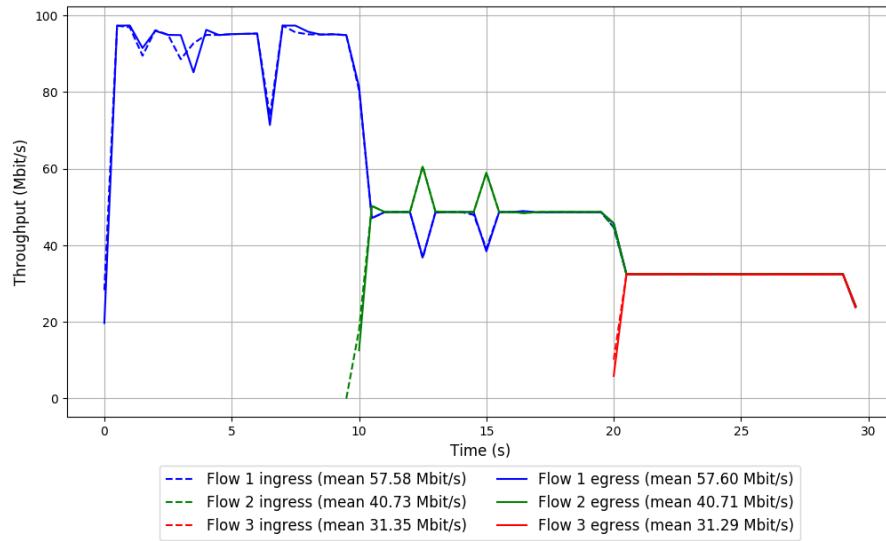


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-02-02 23:28:32
End at: 2018-02-02 23:29:02
Local clock offset: 0.379 ms
Remote clock offset: -17.962 ms

# Below is generated by plot.py at 2018-02-03 05:44:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.95 Mbit/s
95th percentile per-packet one-way delay: 66.337 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 57.60 Mbit/s
95th percentile per-packet one-way delay: 66.291 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.71 Mbit/s
95th percentile per-packet one-way delay: 66.320 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.29 Mbit/s
95th percentile per-packet one-way delay: 66.429 ms
Loss rate: 0.62%
```

Run 4: Report of QUIC Cubic — Data Link

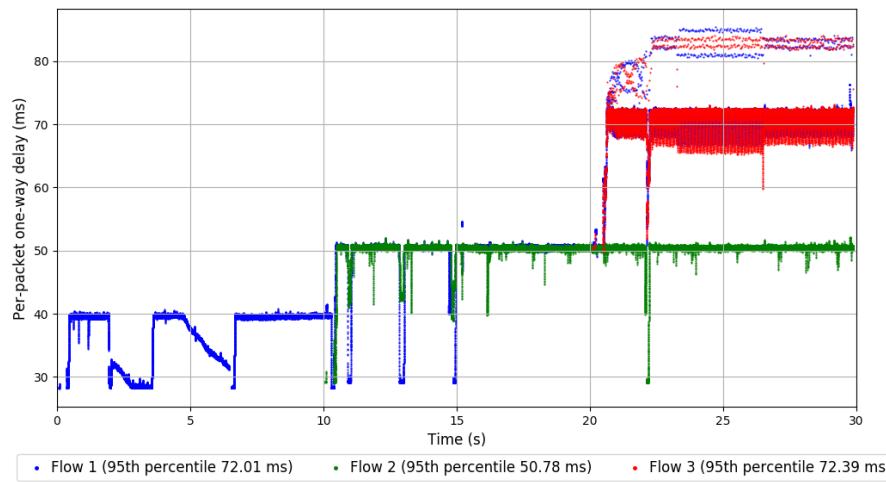
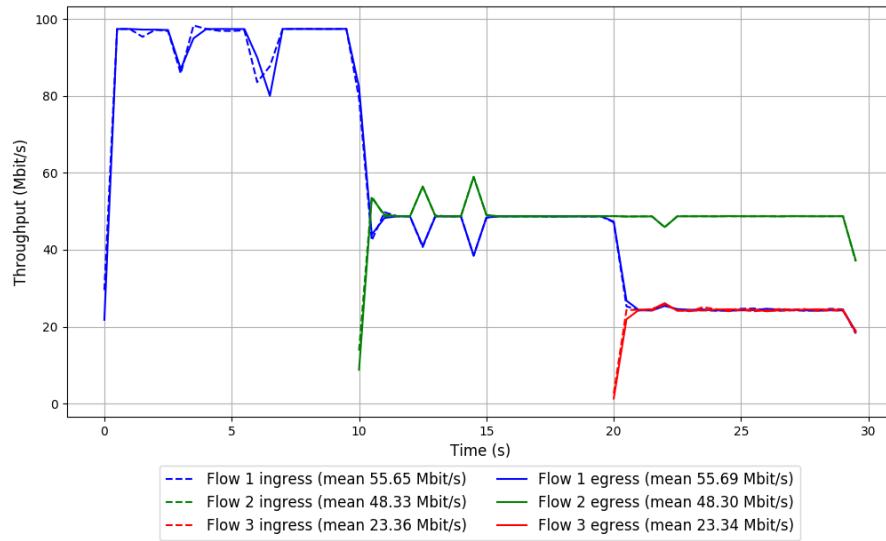


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-02-02 23:50:01
End at: 2018-02-02 23:50:31
Local clock offset: -3.986 ms
Remote clock offset: -14.025 ms

# Below is generated by plot.py at 2018-02-03 05:44:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.44 Mbit/s
95th percentile per-packet one-way delay: 72.050 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 55.69 Mbit/s
95th percentile per-packet one-way delay: 72.007 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 48.30 Mbit/s
95th percentile per-packet one-way delay: 50.781 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 23.34 Mbit/s
95th percentile per-packet one-way delay: 72.388 ms
Loss rate: 0.76%
```

Run 5: Report of QUIC Cubic — Data Link

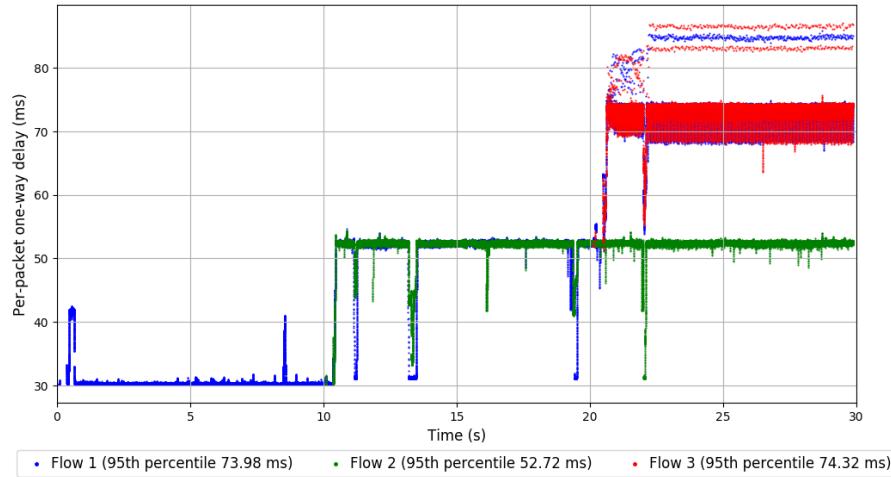
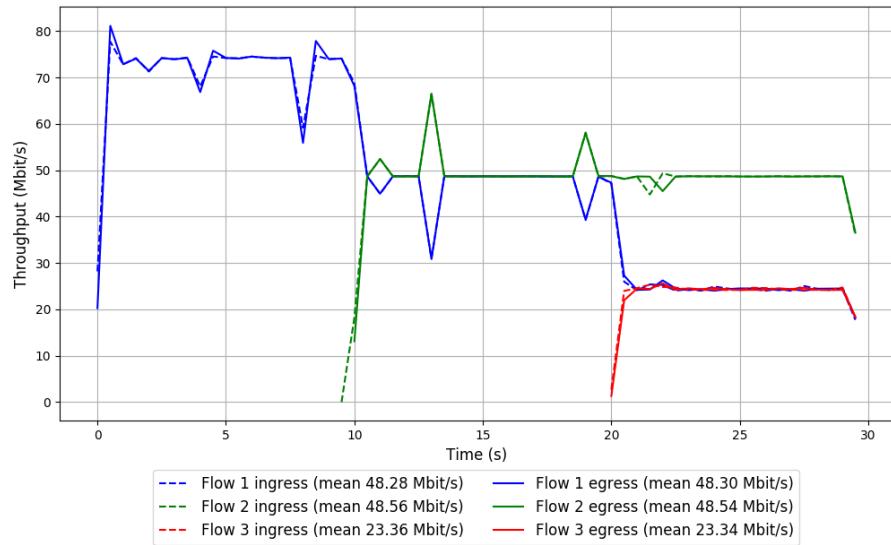


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-02-03 00:11:38
End at: 2018-02-03 00:12:08
Local clock offset: -4.088 ms
Remote clock offset: -18.734 ms

# Below is generated by plot.py at 2018-02-03 05:44:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.23 Mbit/s
95th percentile per-packet one-way delay: 74.008 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 48.30 Mbit/s
95th percentile per-packet one-way delay: 73.985 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 48.54 Mbit/s
95th percentile per-packet one-way delay: 52.722 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 23.34 Mbit/s
95th percentile per-packet one-way delay: 74.321 ms
Loss rate: 0.81%
```

Run 6: Report of QUIC Cubic — Data Link

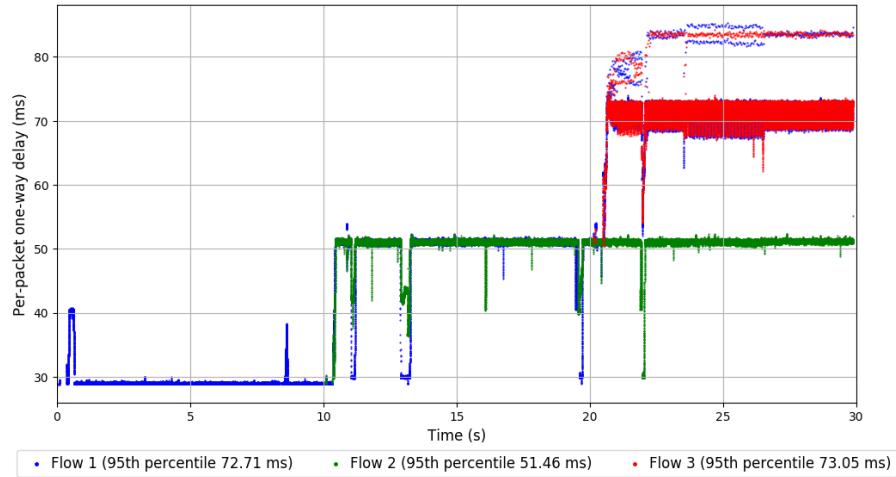
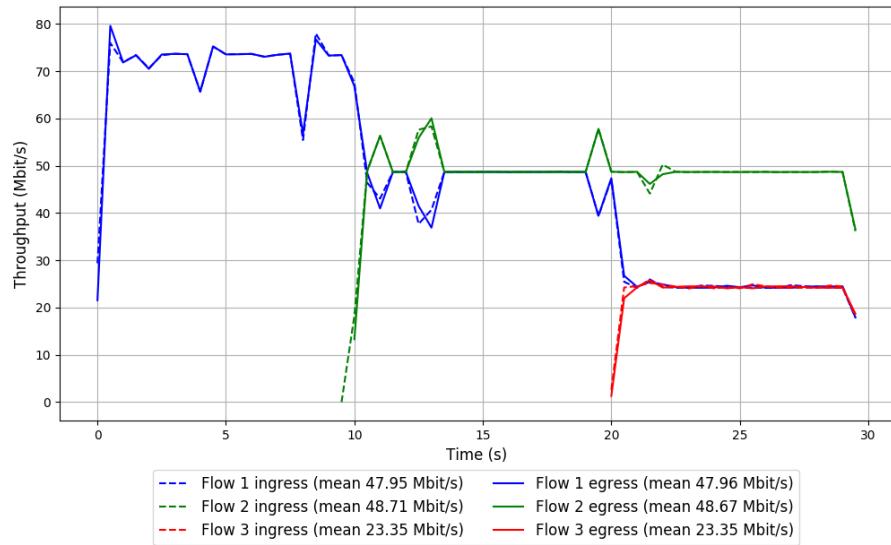


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-02-03 00:33:44
End at: 2018-02-03 00:34:14
Local clock offset: -3.629 ms
Remote clock offset: -18.337 ms

# Below is generated by plot.py at 2018-02-03 05:44:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.98 Mbit/s
95th percentile per-packet one-way delay: 72.731 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 47.96 Mbit/s
95th percentile per-packet one-way delay: 72.713 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 48.67 Mbit/s
95th percentile per-packet one-way delay: 51.456 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 23.35 Mbit/s
95th percentile per-packet one-way delay: 73.051 ms
Loss rate: 0.75%
```

Run 7: Report of QUIC Cubic — Data Link

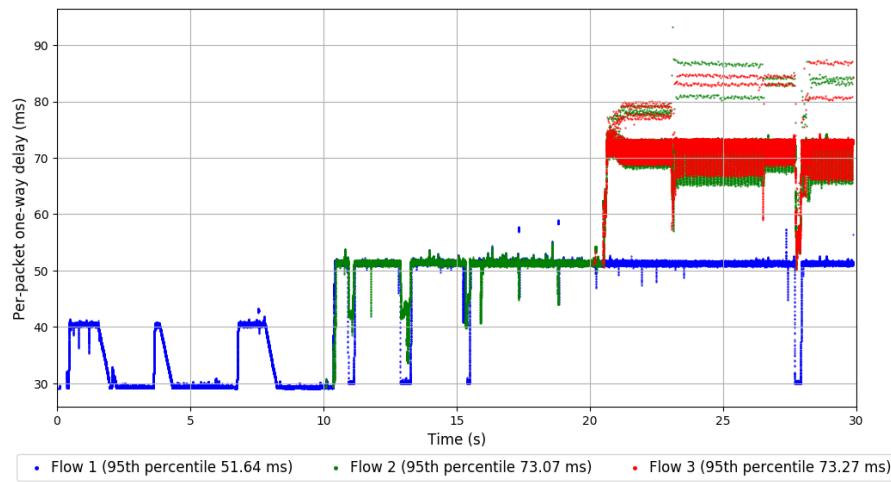
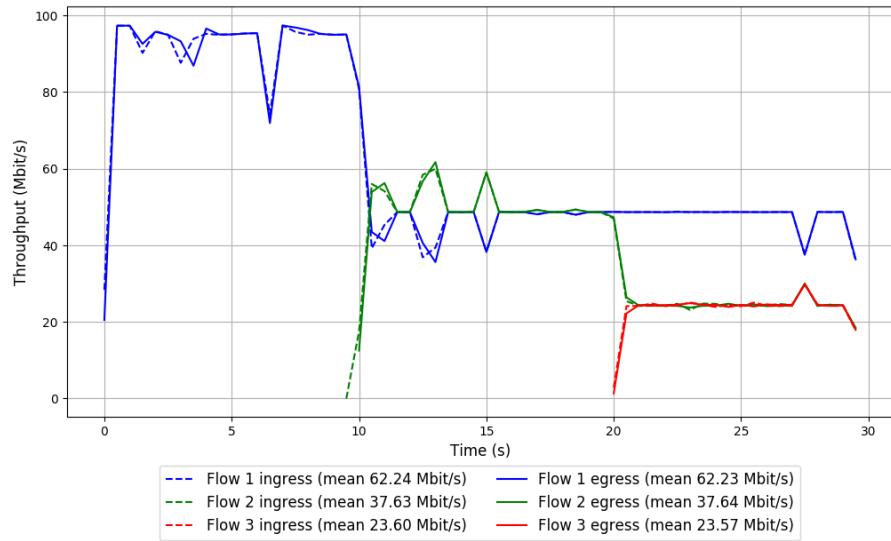


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-02-03 00:56:24
End at: 2018-02-03 00:56:54
Local clock offset: -6.373 ms
Remote clock offset: -18.549 ms

# Below is generated by plot.py at 2018-02-03 05:44:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.99 Mbit/s
95th percentile per-packet one-way delay: 72.905 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 62.23 Mbit/s
95th percentile per-packet one-way delay: 51.639 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 37.64 Mbit/s
95th percentile per-packet one-way delay: 73.072 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 23.57 Mbit/s
95th percentile per-packet one-way delay: 73.271 ms
Loss rate: 0.68%
```

Run 8: Report of QUIC Cubic — Data Link

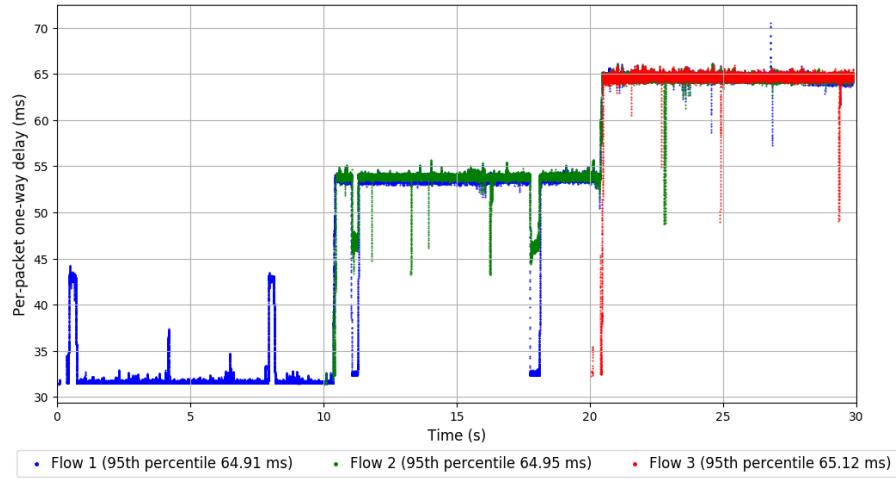
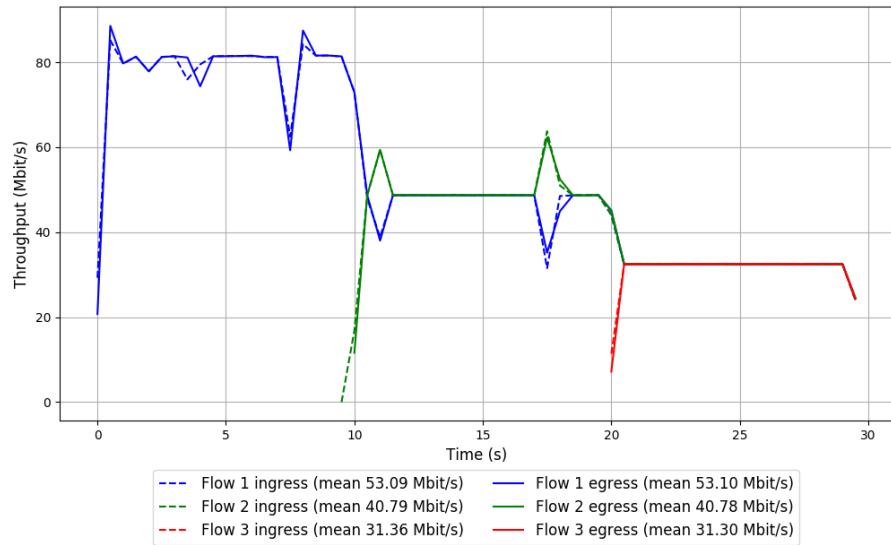


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-02-03 01:19:22
End at: 2018-02-03 01:19:52
Local clock offset: -3.465 ms
Remote clock offset: -21.665 ms

# Below is generated by plot.py at 2018-02-03 05:44:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.53 Mbit/s
95th percentile per-packet one-way delay: 64.986 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 53.10 Mbit/s
95th percentile per-packet one-way delay: 64.909 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 40.78 Mbit/s
95th percentile per-packet one-way delay: 64.955 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.30 Mbit/s
95th percentile per-packet one-way delay: 65.118 ms
Loss rate: 0.61%
```

Run 9: Report of QUIC Cubic — Data Link

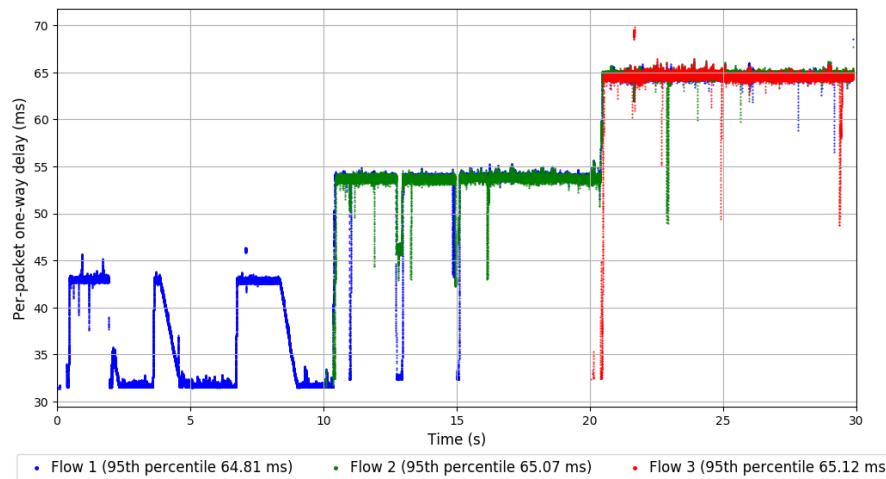
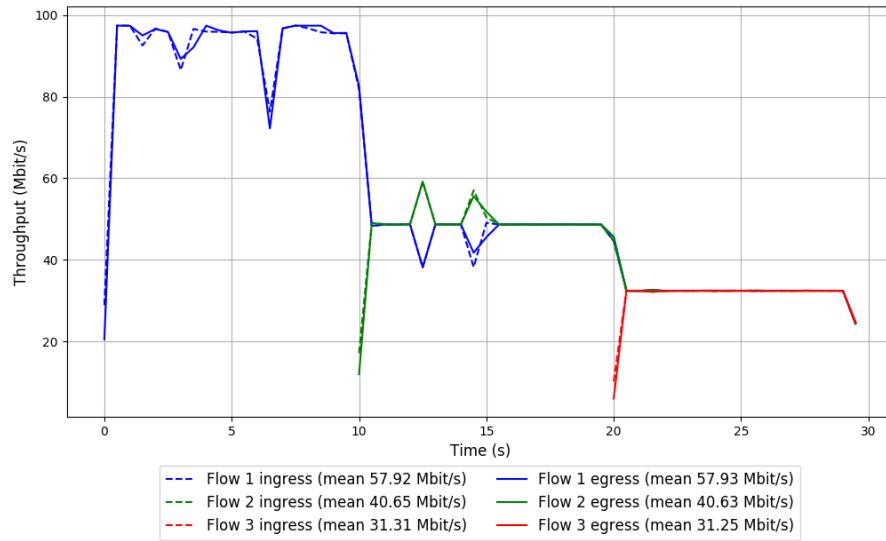


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-02-03 01:42:20
End at: 2018-02-03 01:42:50
Local clock offset: -2.249 ms
Remote clock offset: -20.527 ms

# Below is generated by plot.py at 2018-02-03 05:46:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.24 Mbit/s
95th percentile per-packet one-way delay: 64.995 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 57.93 Mbit/s
95th percentile per-packet one-way delay: 64.808 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.63 Mbit/s
95th percentile per-packet one-way delay: 65.071 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.25 Mbit/s
95th percentile per-packet one-way delay: 65.116 ms
Loss rate: 0.61%
```

Run 10: Report of QUIC Cubic — Data Link

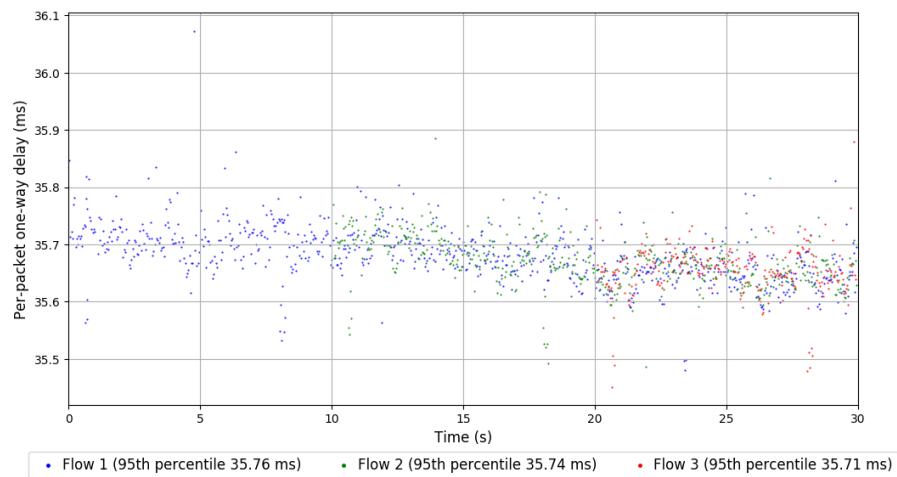
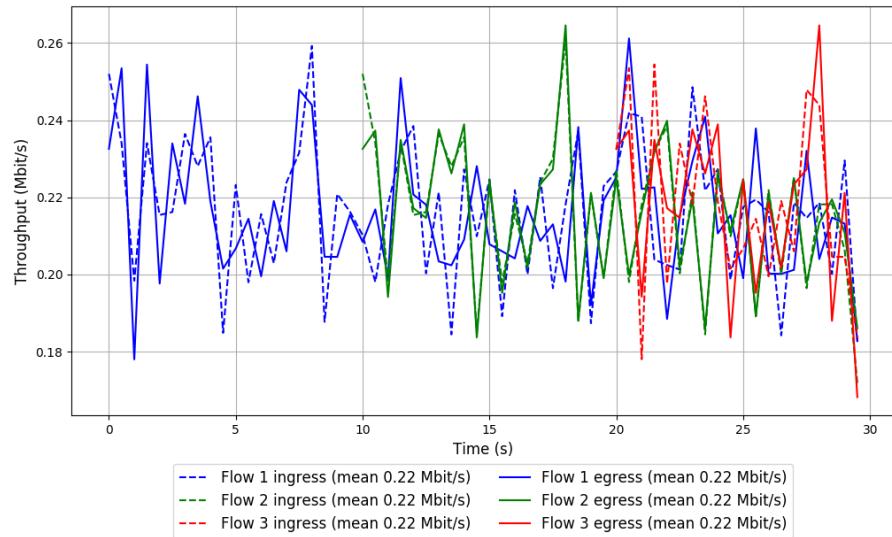


Run 1: Statistics of SCReAM

```
Start at: 2018-02-02 22:12:43
End at: 2018-02-02 22:13:13
Local clock offset: -3.244 ms
Remote clock offset: -22.434 ms

# Below is generated by plot.py at 2018-02-03 05:46:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 35.746 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 35.757 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 35.742 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 35.710 ms
Loss rate: 0.35%
```

Run 1: Report of SCReAM — Data Link

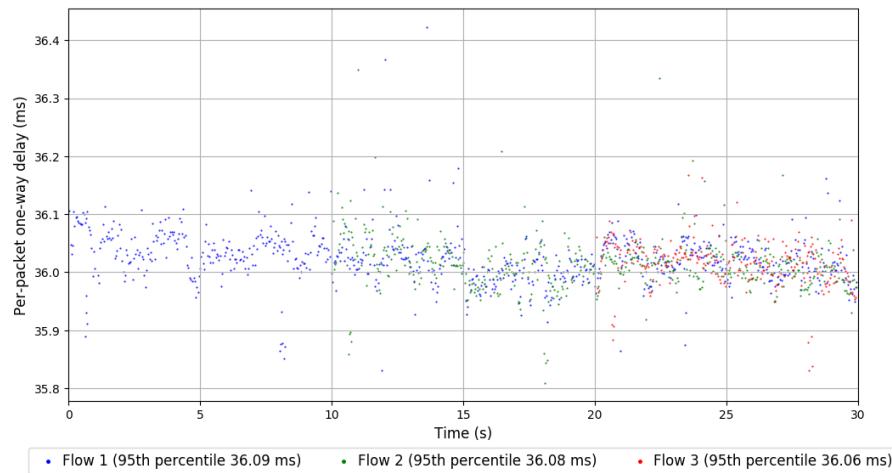
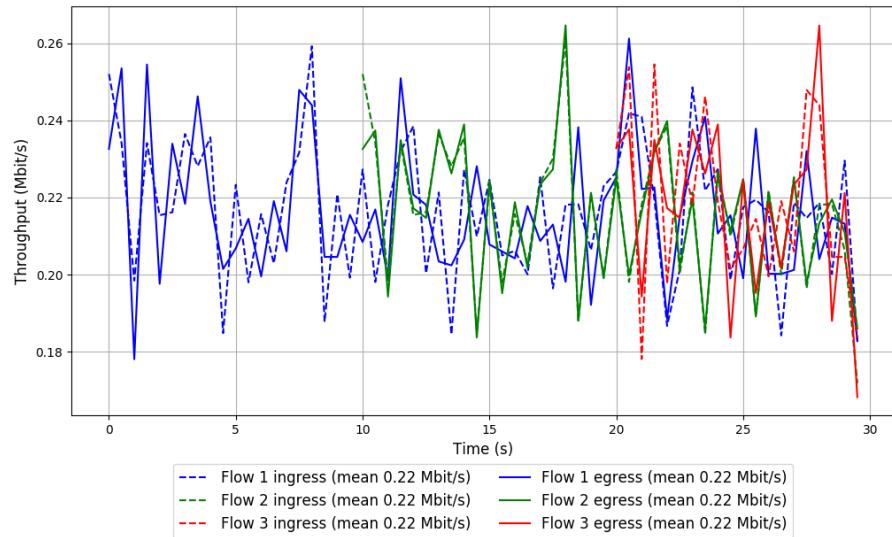


Run 2: Statistics of SCReAM

```
Start at: 2018-02-02 22:34:48
End at: 2018-02-02 22:35:18
Local clock offset: -2.473 ms
Remote clock offset: -25.819 ms

# Below is generated by plot.py at 2018-02-03 05:46:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 36.085 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 36.089 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 36.084 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 36.063 ms
Loss rate: 0.35%
```

Run 2: Report of SCReAM — Data Link

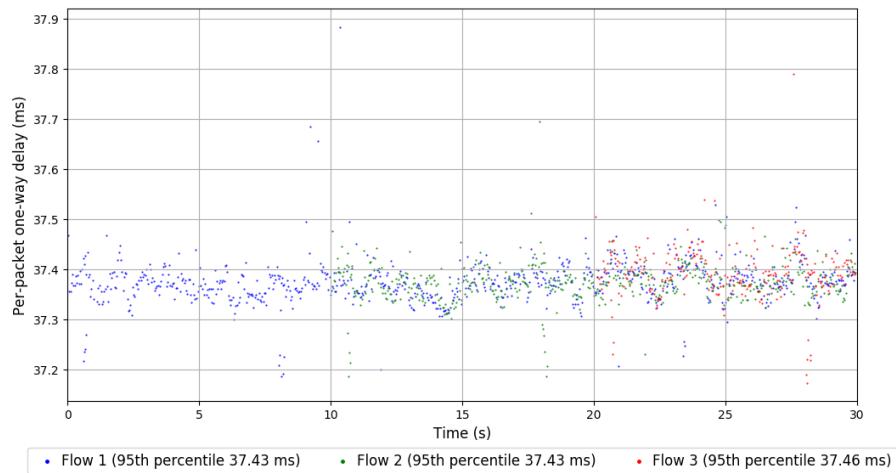
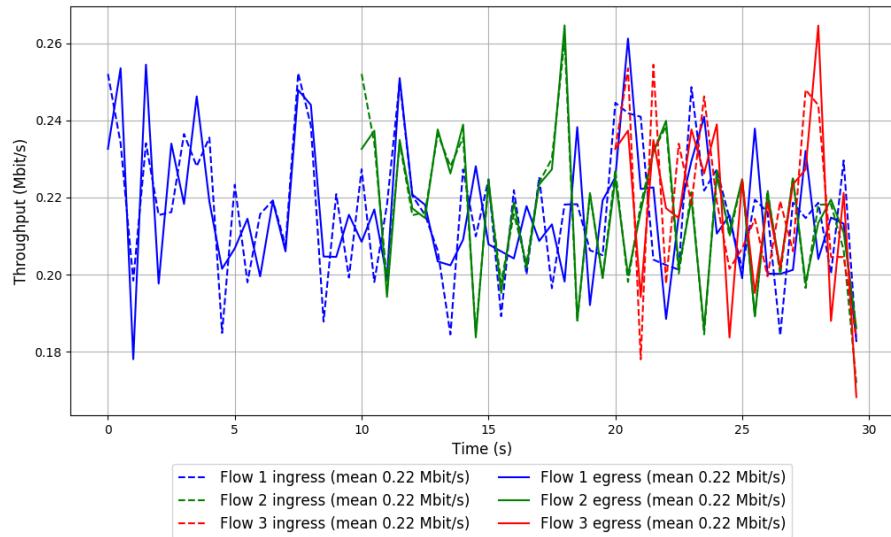


Run 3: Statistics of SCReAM

```
Start at: 2018-02-02 22:56:35
End at: 2018-02-02 22:57:05
Local clock offset: -1.485 ms
Remote clock offset: -24.144 ms

# Below is generated by plot.py at 2018-02-03 05:46:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 37.440 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.433 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.433 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.457 ms
Loss rate: 0.35%
```

Run 3: Report of SCReAM — Data Link

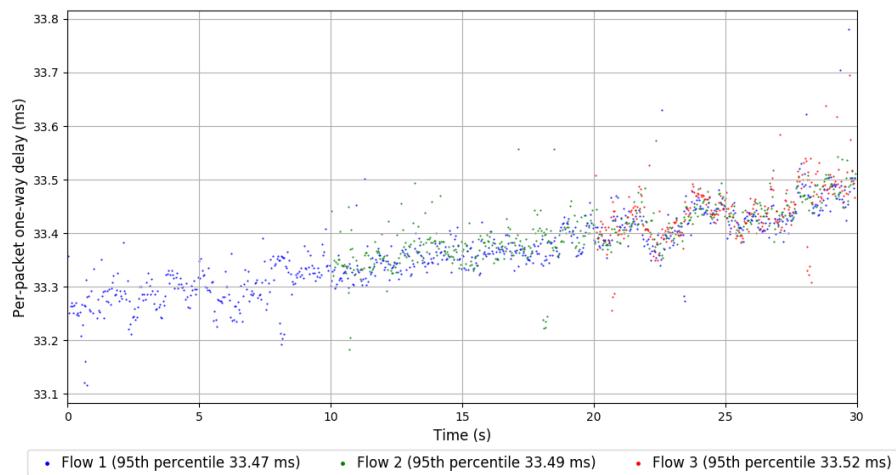
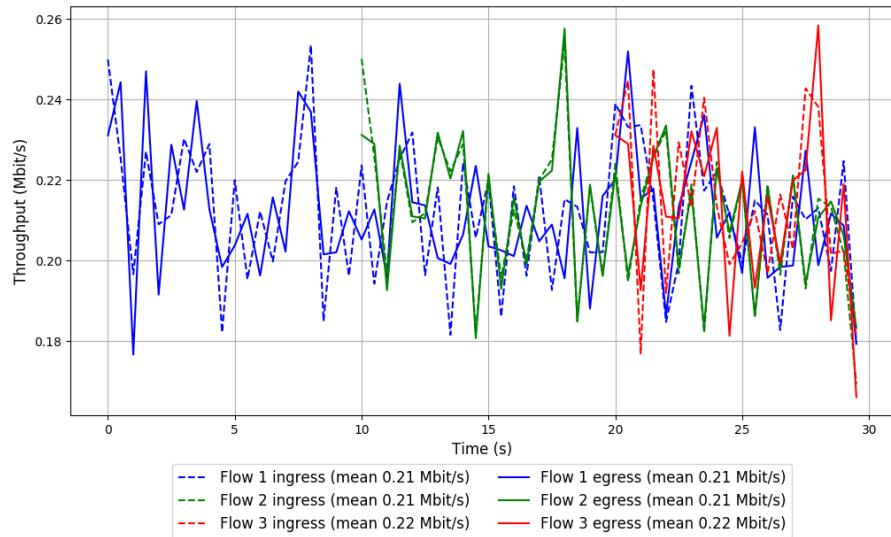


Run 4: Statistics of SCReAM

```
Start at: 2018-02-02 23:18:07
End at: 2018-02-02 23:18:37
Local clock offset: -2.042 ms
Remote clock offset: -23.771 ms

# Below is generated by plot.py at 2018-02-03 05:46:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 33.491 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.469 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.491 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.515 ms
Loss rate: 0.35%
```

Run 4: Report of SCReAM — Data Link

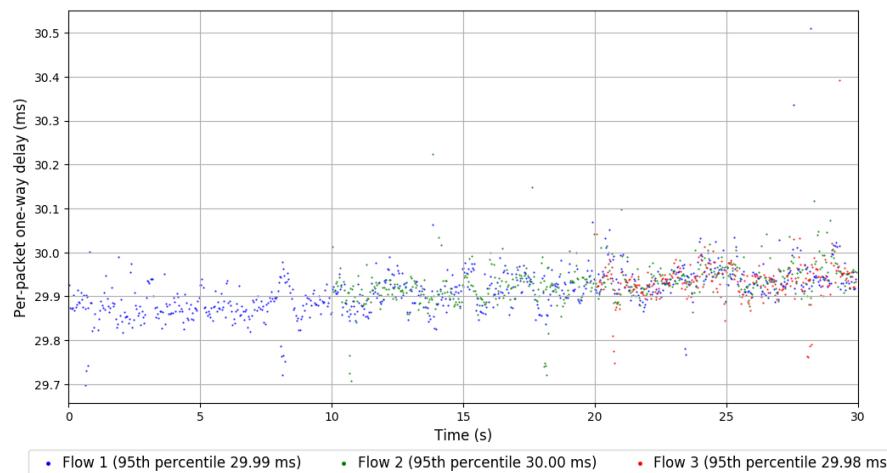
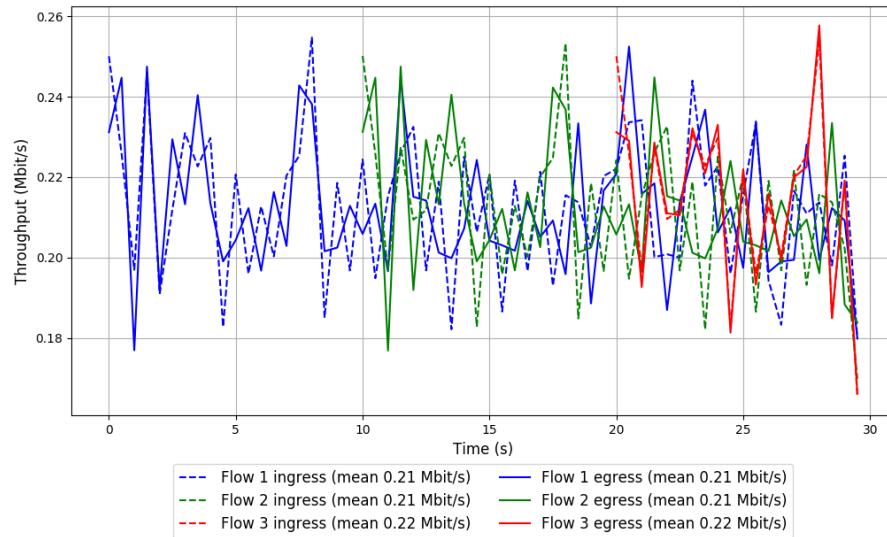


Run 5: Statistics of SCReAM

```
Start at: 2018-02-02 23:39:31
End at: 2018-02-02 23:40:01
Local clock offset: -4.53 ms
Remote clock offset: -17.036 ms

# Below is generated by plot.py at 2018-02-03 05:46:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 29.991 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 29.988 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.003 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.983 ms
Loss rate: 0.35%
```

Run 5: Report of SCReAM — Data Link

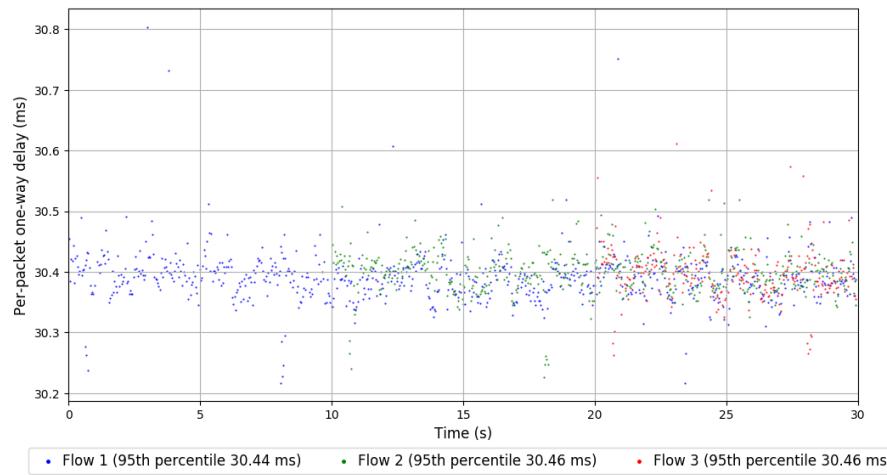
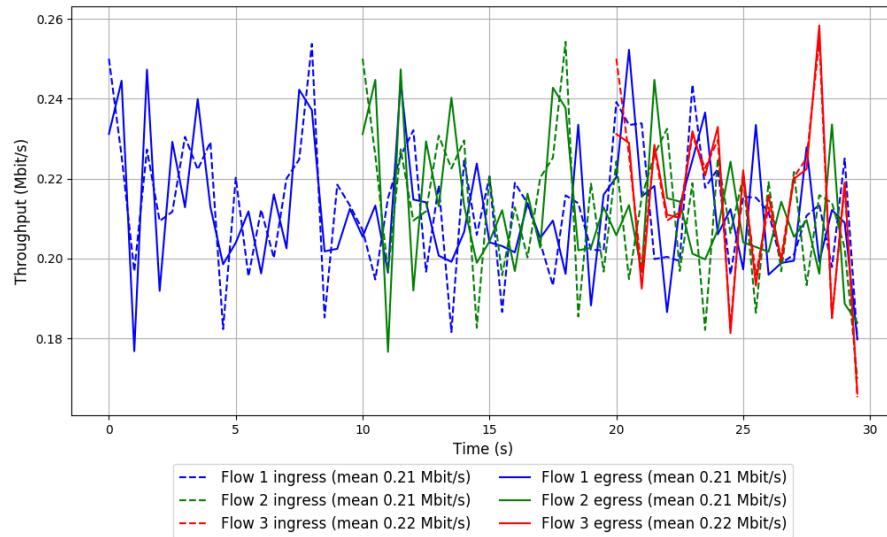


Run 6: Statistics of SCReAM

```
Start at: 2018-02-03 00:01:05
End at: 2018-02-03 00:01:35
Local clock offset: -4.295 ms
Remote clock offset: -17.424 ms

# Below is generated by plot.py at 2018-02-03 05:46:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 30.451 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.443 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.457 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.458 ms
Loss rate: 0.35%
```

Run 6: Report of SCReAM — Data Link

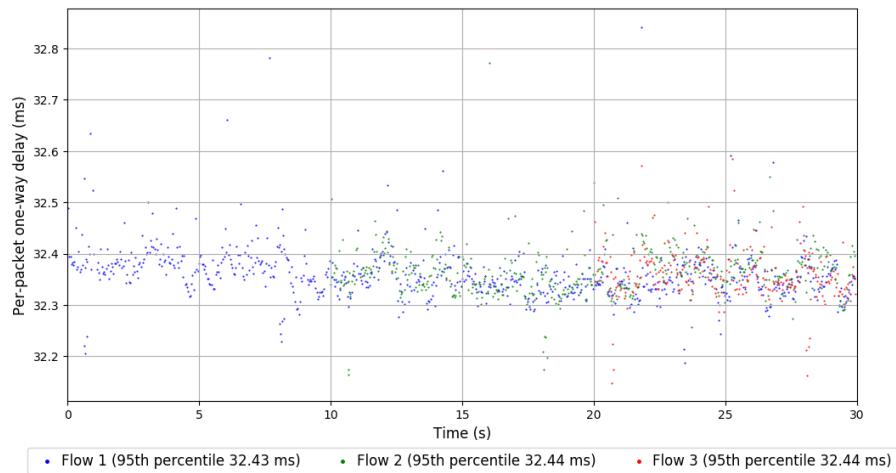
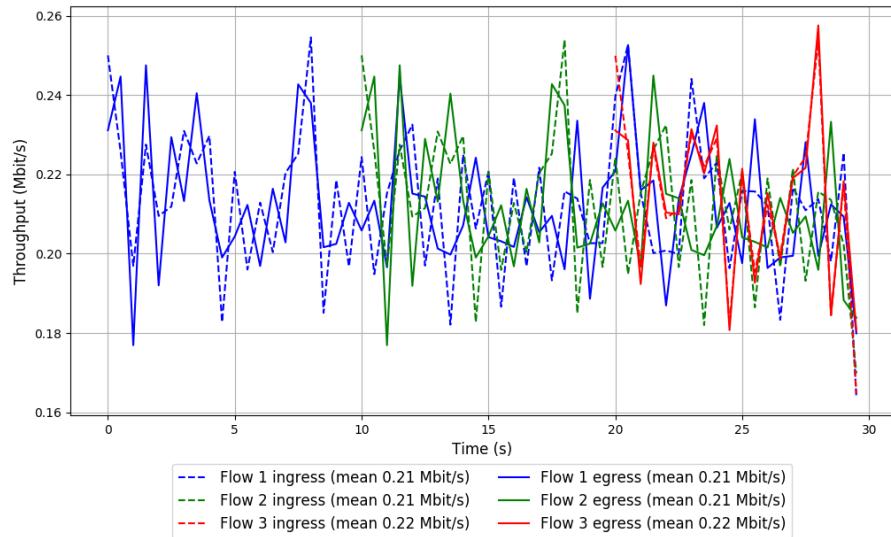


Run 7: Statistics of SCReAM

```
Start at: 2018-02-03 00:22:51
End at: 2018-02-03 00:23:21
Local clock offset: -0.454 ms
Remote clock offset: -17.928 ms

# Below is generated by plot.py at 2018-02-03 05:46:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 32.435 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 32.430 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 32.436 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 32.435 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

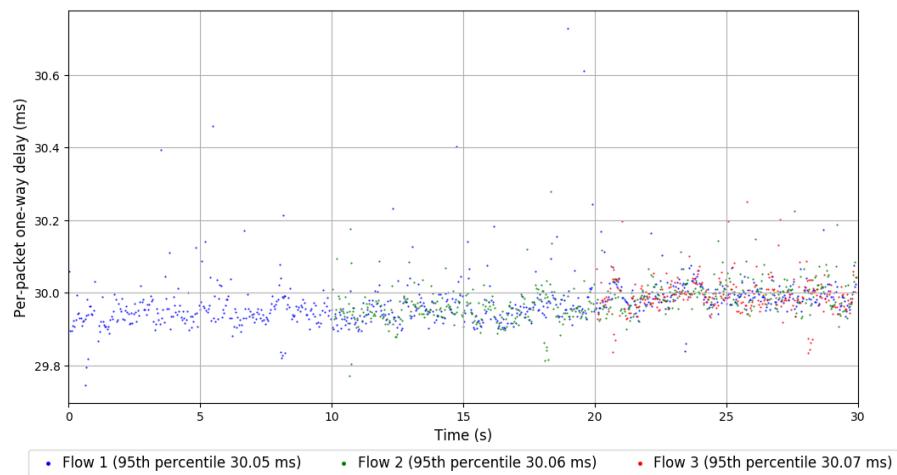
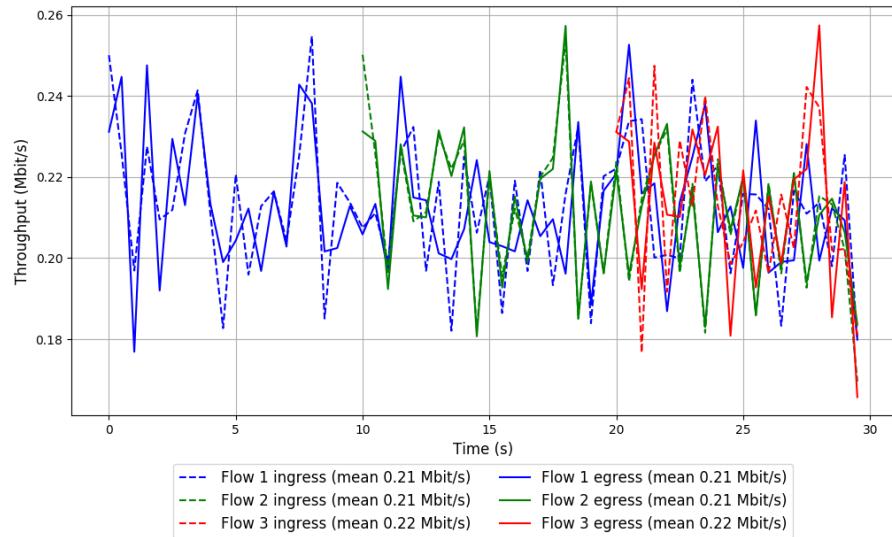


Run 8: Statistics of SCReAM

```
Start at: 2018-02-03 00:45:17
End at: 2018-02-03 00:45:47
Local clock offset: -2.247 ms
Remote clock offset: -16.268 ms

# Below is generated by plot.py at 2018-02-03 05:46:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 30.061 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.046 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.061 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.067 ms
Loss rate: 0.35%
```

Run 8: Report of SCReAM — Data Link

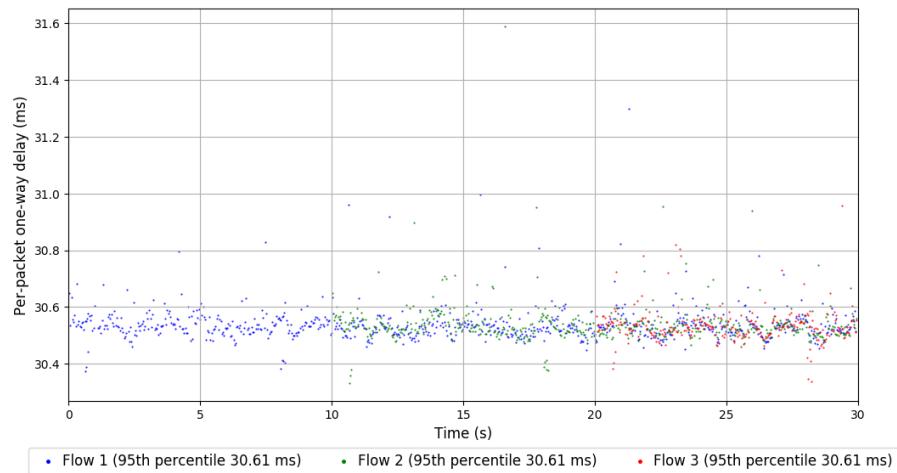
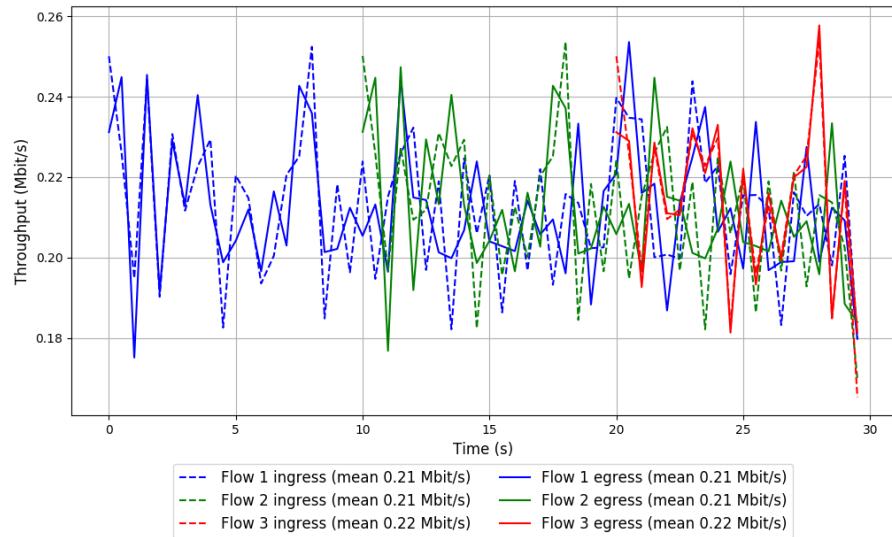


Run 9: Statistics of SCReAM

```
Start at: 2018-02-03 01:08:12
End at: 2018-02-03 01:08:42
Local clock offset: -3.022 ms
Remote clock offset: -18.536 ms

# Below is generated by plot.py at 2018-02-03 05:46:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 30.611 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.610 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.613 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.611 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

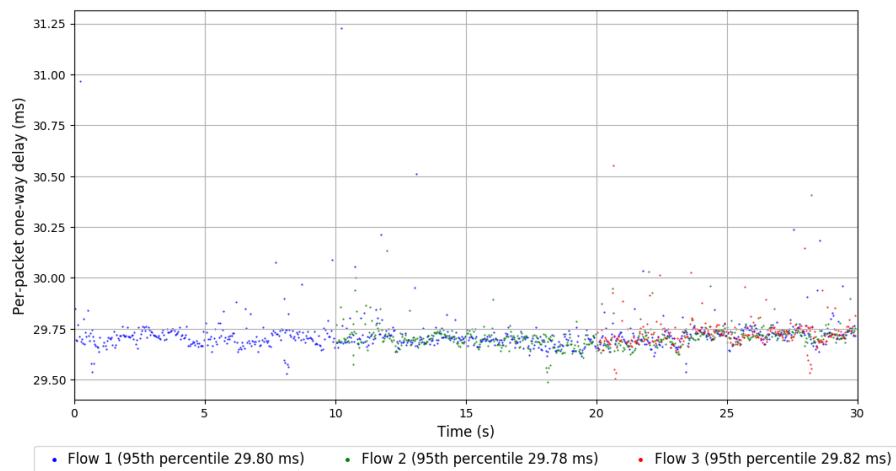
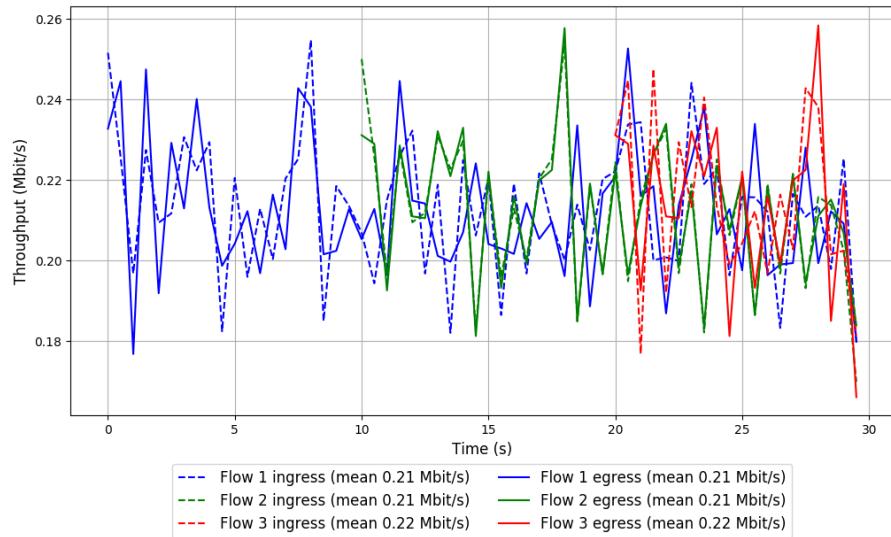


Run 10: Statistics of SCReAM

```
Start at: 2018-02-03 01:31:11
End at: 2018-02-03 01:31:41
Local clock offset: -2.108 ms
Remote clock offset: -18.836 ms

# Below is generated by plot.py at 2018-02-03 05:46:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 29.798 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 29.800 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 29.779 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.815 ms
Loss rate: 0.35%
```

Run 10: Report of SCReAM — Data Link

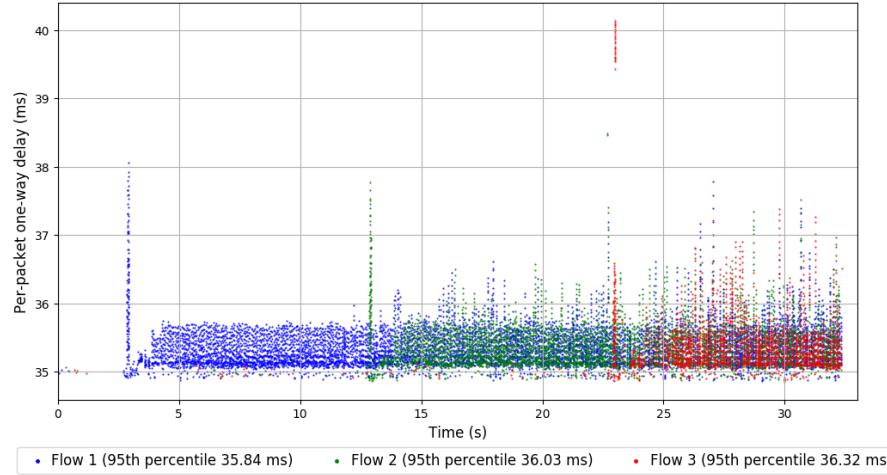
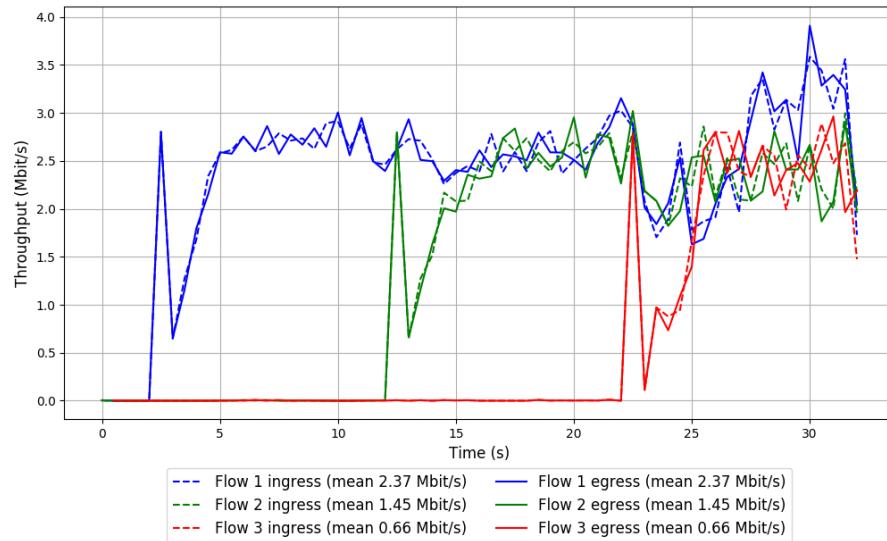


```
Run 1: Statistics of WebRTC media

Start at: 2018-02-02 22:19:53
End at: 2018-02-02 22:20:23
Local clock offset: -3.554 ms
Remote clock offset: -23.142 ms

# Below is generated by plot.py at 2018-02-03 05:46:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.45 Mbit/s
95th percentile per-packet one-way delay: 35.982 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 35.840 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 36.026 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 36.322 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

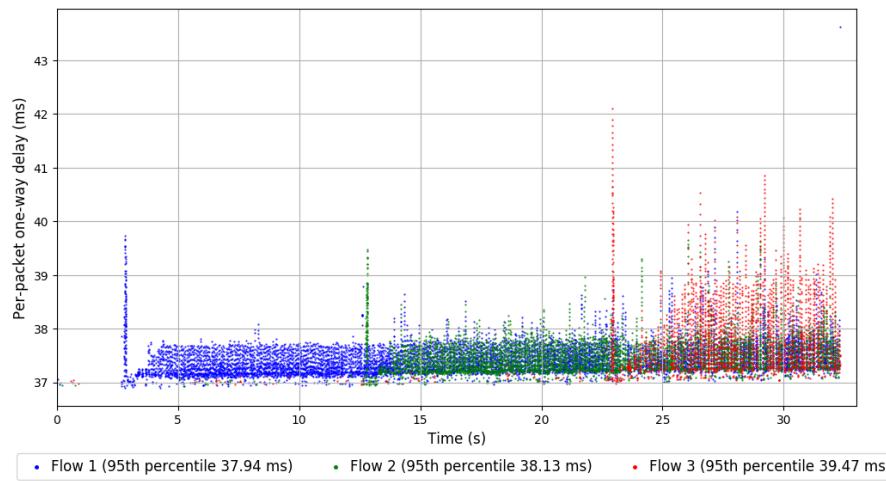
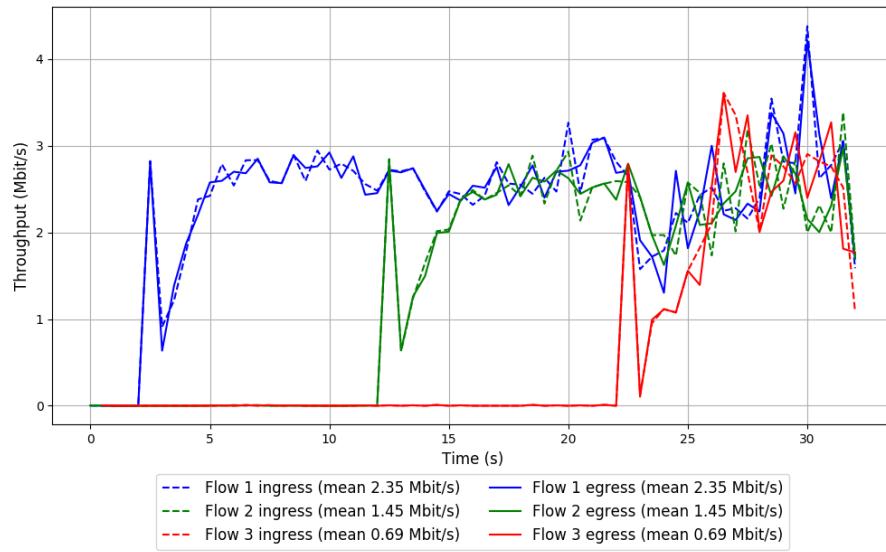


Run 2: Statistics of WebRTC media

```
Start at: 2018-02-02 22:41:59
End at: 2018-02-02 22:42:29
Local clock offset: -0.602 ms
Remote clock offset: -24.852 ms

# Below is generated by plot.py at 2018-02-03 05:46:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.46 Mbit/s
95th percentile per-packet one-way delay: 38.464 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 37.942 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 38.134 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 0.69 Mbit/s
95th percentile per-packet one-way delay: 39.467 ms
Loss rate: 0.04%
```

Run 2: Report of WebRTC media — Data Link

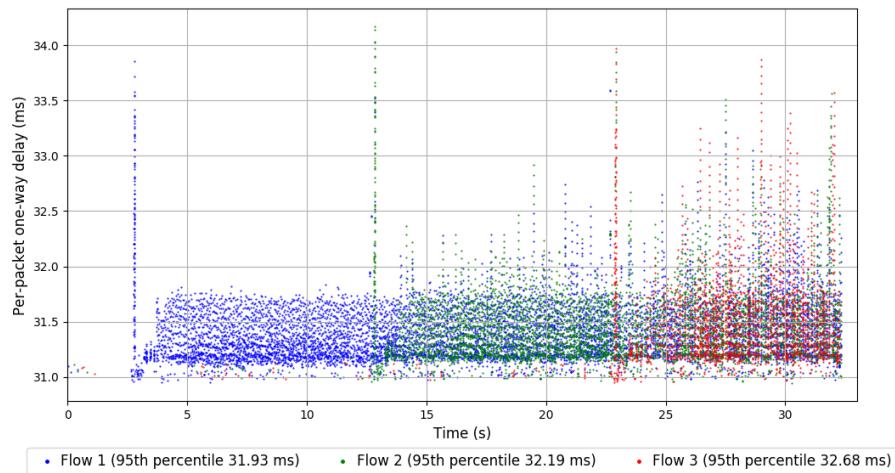
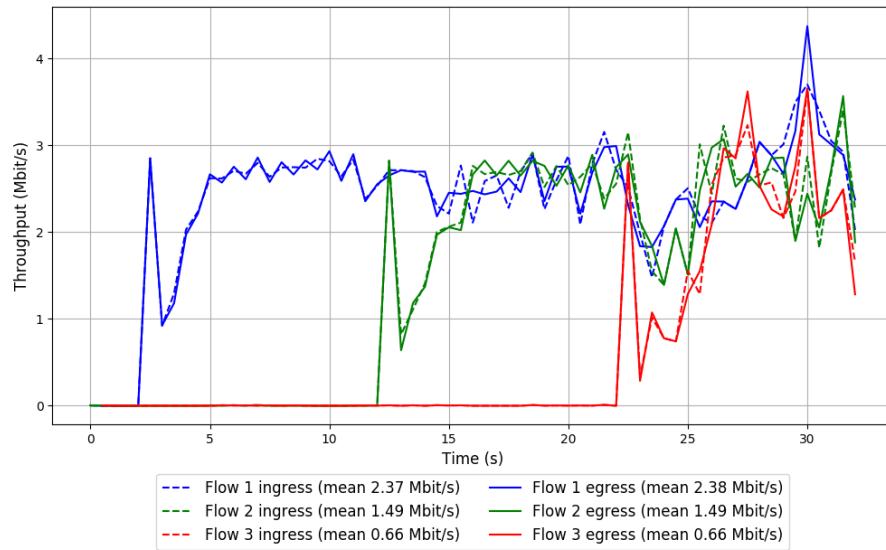


Run 3: Statistics of WebRTC media

```
Start at: 2018-02-02 23:03:40
End at: 2018-02-02 23:04:10
Local clock offset: -1.319 ms
Remote clock offset: -23.048 ms

# Below is generated by plot.py at 2018-02-03 05:46:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.50 Mbit/s
95th percentile per-packet one-way delay: 32.131 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 31.932 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 32.193 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 32.680 ms
Loss rate: 0.89%
```

Run 3: Report of WebRTC media — Data Link

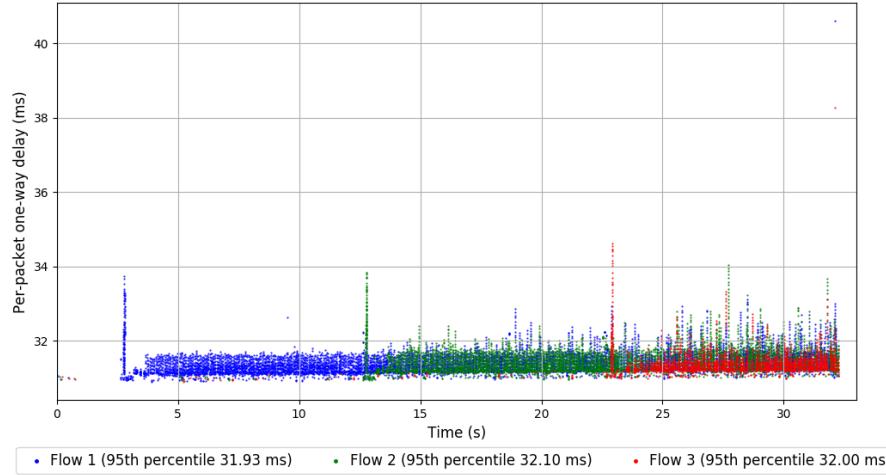
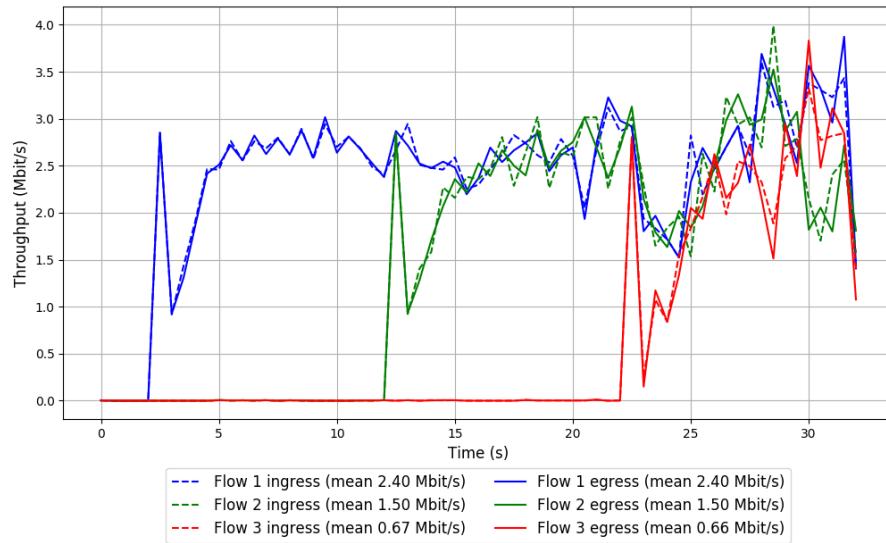


Run 4: Statistics of WebRTC media

```
Start at: 2018-02-02 23:25:06
End at: 2018-02-02 23:25:36
Local clock offset: -1.669 ms
Remote clock offset: -19.068 ms

# Below is generated by plot.py at 2018-02-03 05:46:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.56 Mbit/s
95th percentile per-packet one-way delay: 32.013 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 31.933 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 32.104 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 31.998 ms
Loss rate: 0.76%
```

Run 4: Report of WebRTC media — Data Link

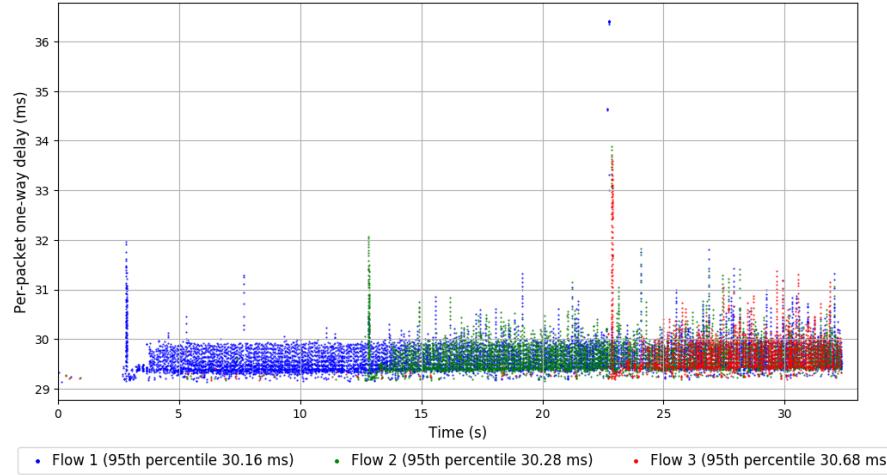
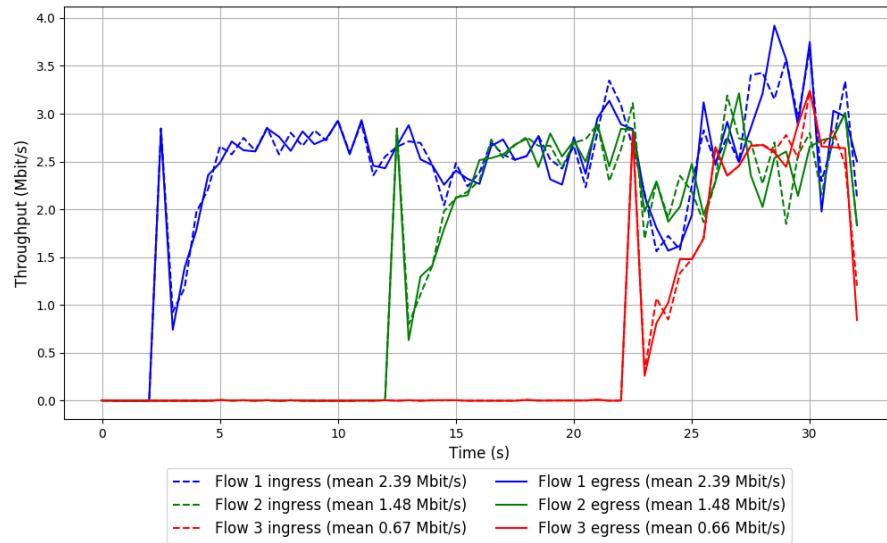


Run 5: Statistics of WebRTC media

```
Start at: 2018-02-02 23:46:33
End at: 2018-02-02 23:47:03
Local clock offset: -4.636 ms
Remote clock offset: -15.473 ms

# Below is generated by plot.py at 2018-02-03 05:46:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.51 Mbit/s
95th percentile per-packet one-way delay: 30.277 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 30.161 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 30.277 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 30.678 ms
Loss rate: 0.84%
```

Run 5: Report of WebRTC media — Data Link

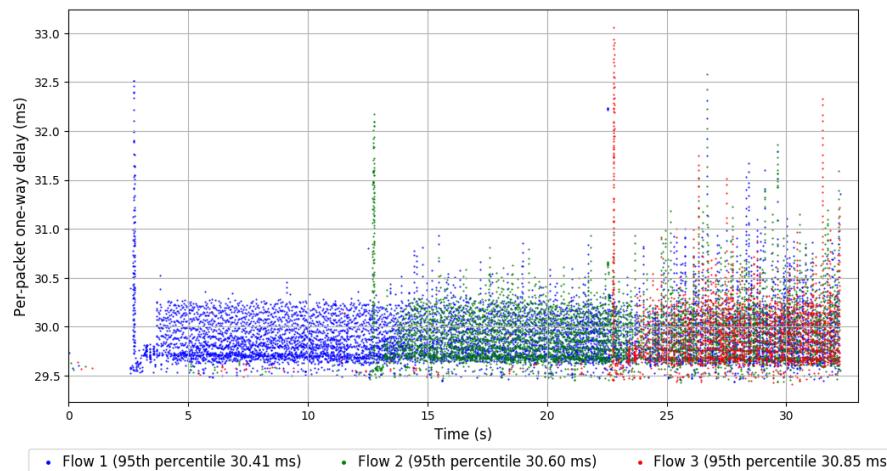
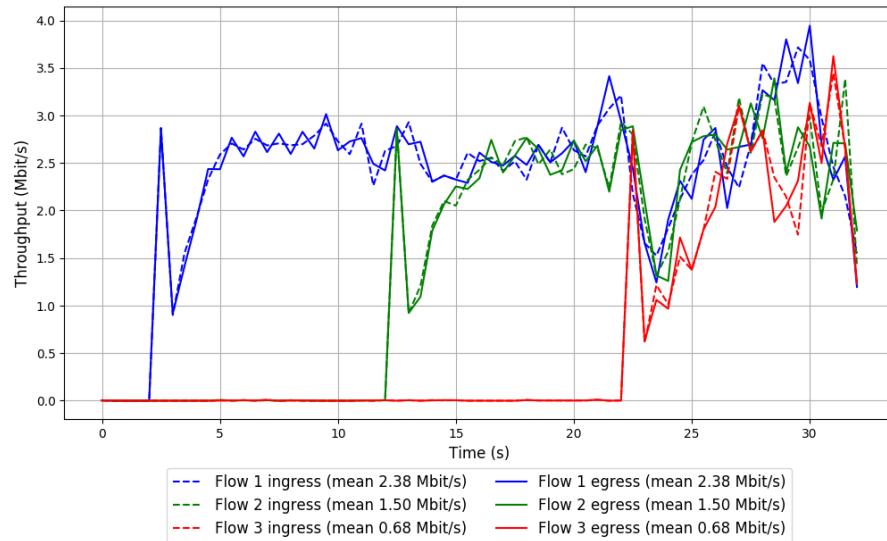


Run 6: Statistics of WebRTC media

```
Start at: 2018-02-03 00:08:11
End at: 2018-02-03 00:08:41
Local clock offset: -5.081 ms
Remote clock offset: -18.758 ms

# Below is generated by plot.py at 2018-02-03 05:46:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.54 Mbit/s
95th percentile per-packet one-way delay: 30.538 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 30.413 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 30.601 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 0.68 Mbit/s
95th percentile per-packet one-way delay: 30.846 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

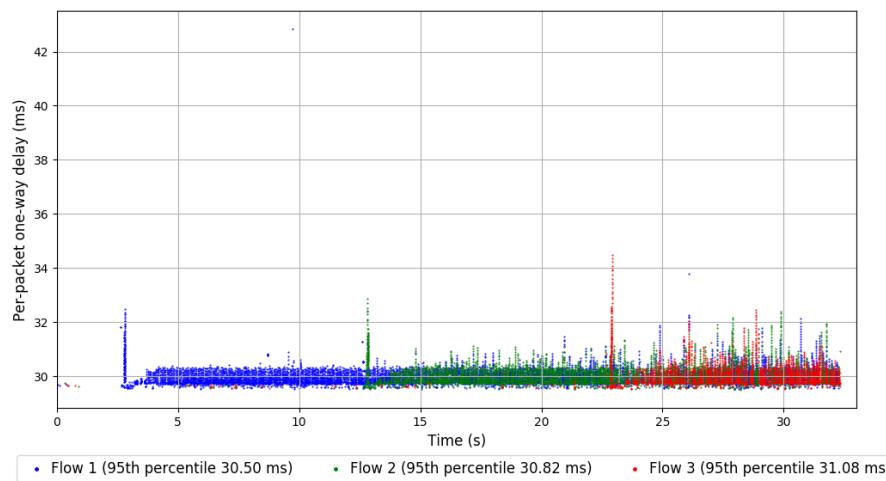
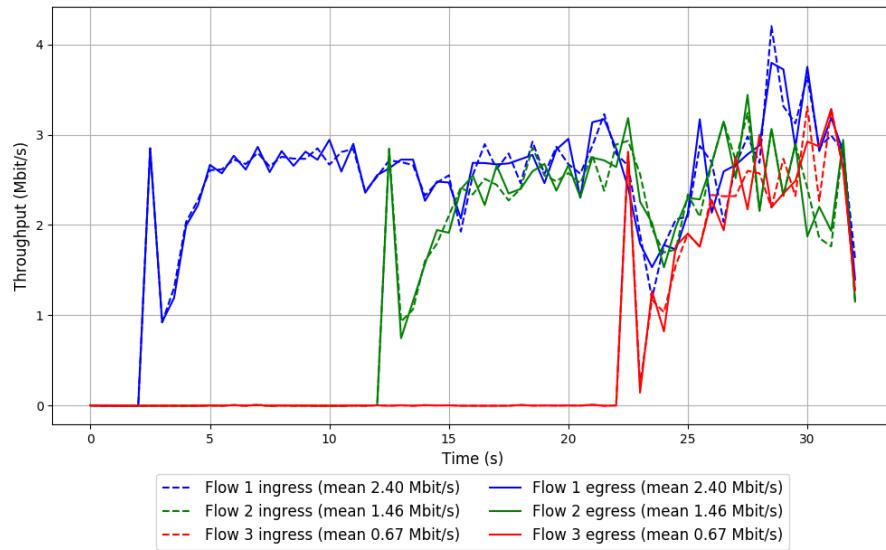


Run 7: Statistics of WebRTC media

```
Start at: 2018-02-03 00:30:17
End at: 2018-02-03 00:30:47
Local clock offset: -1.826 ms
Remote clock offset: -17.166 ms

# Below is generated by plot.py at 2018-02-03 05:46:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.50 Mbit/s
95th percentile per-packet one-way delay: 30.695 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 30.503 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 30.822 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 31.084 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

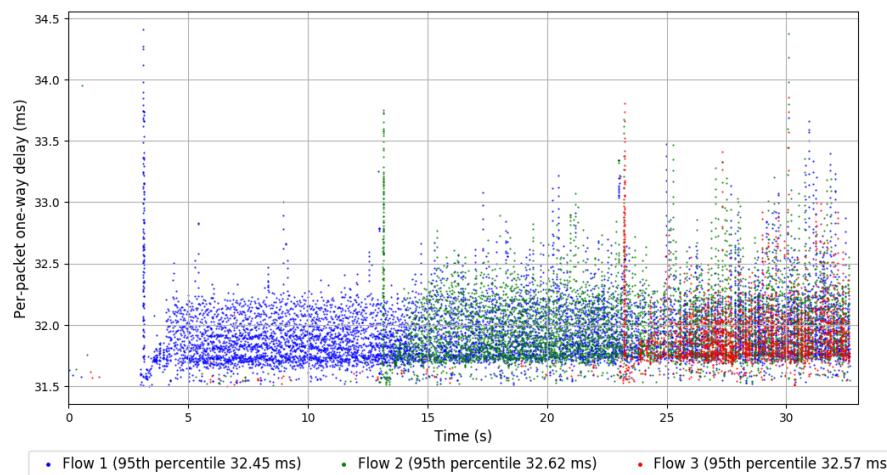
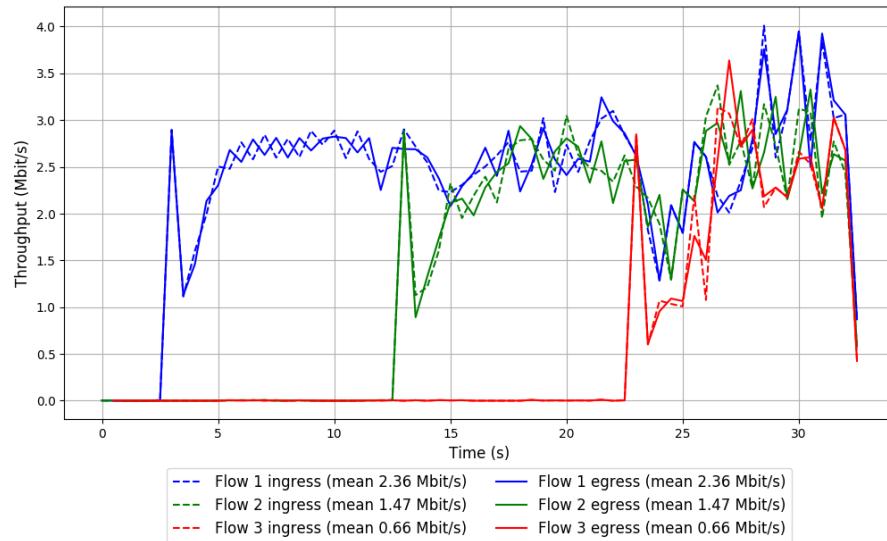


Run 8: Statistics of WebRTC media

```
Start at: 2018-02-03 00:52:51
End at: 2018-02-03 00:53:21
Local clock offset: -3.12 ms
Remote clock offset: -18.095 ms

# Below is generated by plot.py at 2018-02-03 05:46:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.46 Mbit/s
95th percentile per-packet one-way delay: 32.536 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 32.452 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 32.618 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 32.569 ms
Loss rate: 0.05%
```

Run 8: Report of WebRTC media — Data Link

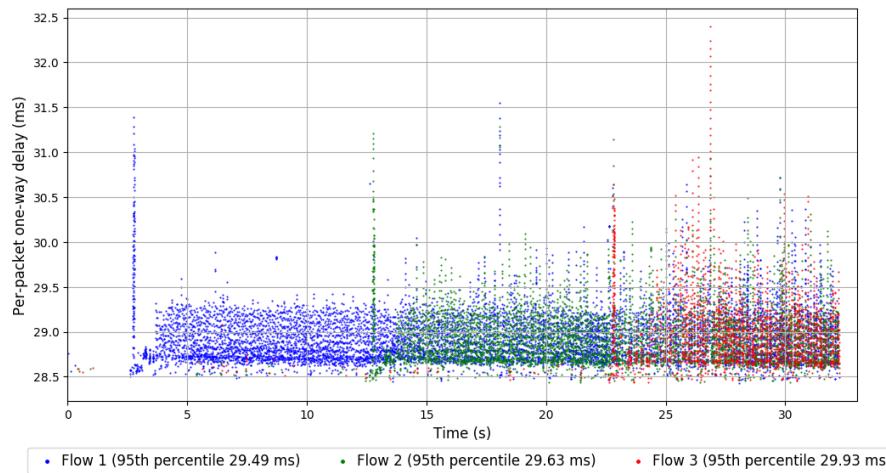
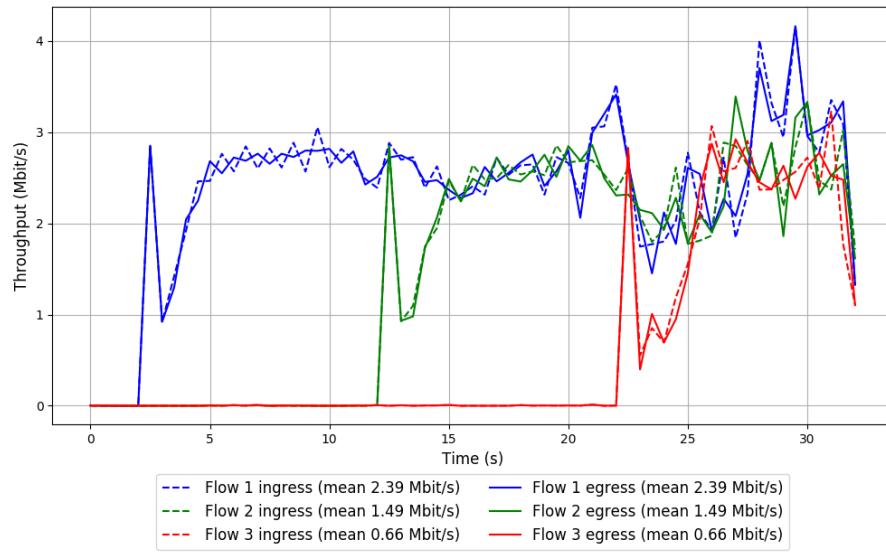


Run 9: Statistics of WebRTC media

```
Start at: 2018-02-03 01:15:49
End at: 2018-02-03 01:16:19
Local clock offset: -5.229 ms
Remote clock offset: -20.084 ms

# Below is generated by plot.py at 2018-02-03 05:46:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.51 Mbit/s
95th percentile per-packet one-way delay: 29.610 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 29.486 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 29.630 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 29.931 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link

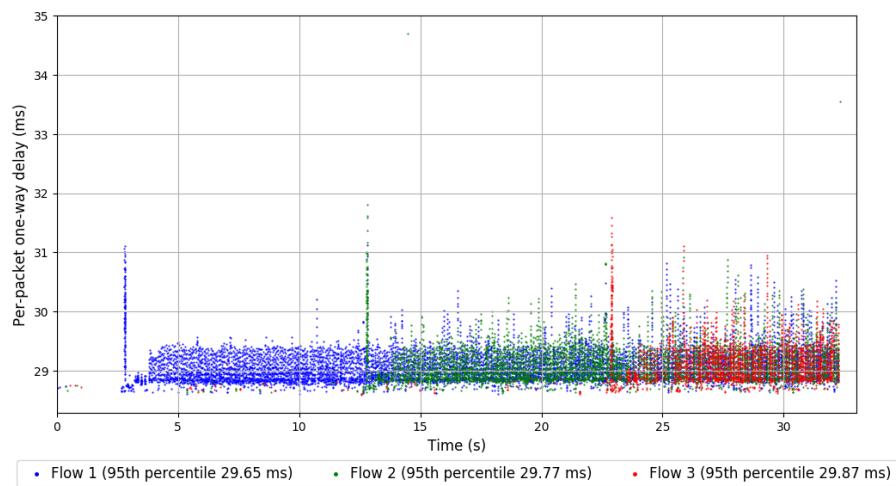
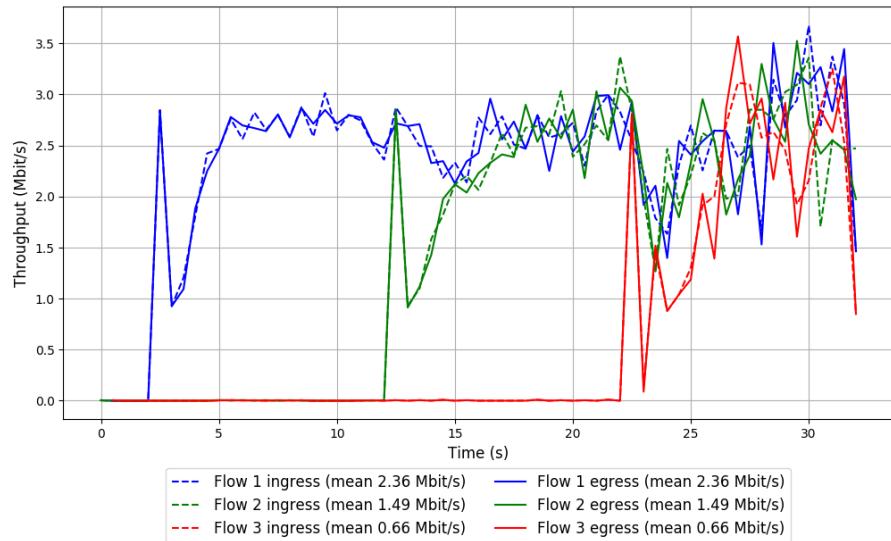


```
Run 10: Statistics of WebRTC media
```

```
Start at: 2018-02-03 01:38:44
End at: 2018-02-03 01:39:14
Local clock offset: -3.041 ms
Remote clock offset: -18.668 ms

# Below is generated by plot.py at 2018-02-03 05:46:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.47 Mbit/s
95th percentile per-packet one-way delay: 29.739 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 29.652 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 29.765 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 29.874 ms
Loss rate: 0.01%
```

Run 10: Report of WebRTC media — Data Link

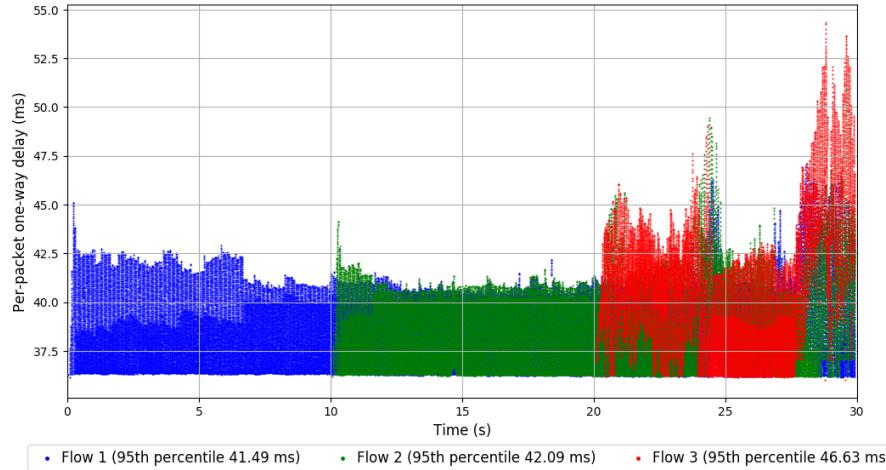
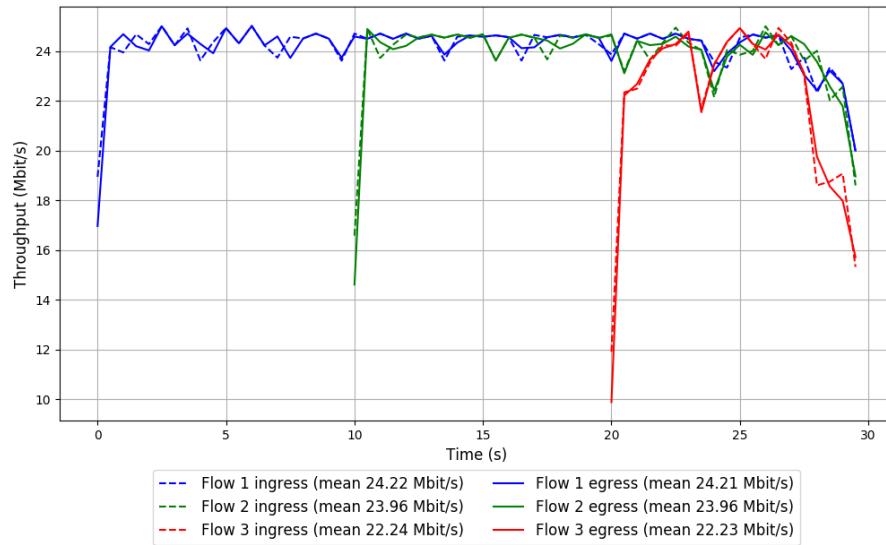


Run 1: Statistics of Sprout

```
Start at: 2018-02-02 22:20:59
End at: 2018-02-02 22:21:29
Local clock offset: -3.523 ms
Remote clock offset: -24.531 ms

# Below is generated by plot.py at 2018-02-03 05:46:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.47 Mbit/s
95th percentile per-packet one-way delay: 42.813 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 24.21 Mbit/s
95th percentile per-packet one-way delay: 41.491 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 23.96 Mbit/s
95th percentile per-packet one-way delay: 42.086 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 22.23 Mbit/s
95th percentile per-packet one-way delay: 46.635 ms
Loss rate: 0.37%
```

Run 1: Report of Sprout — Data Link

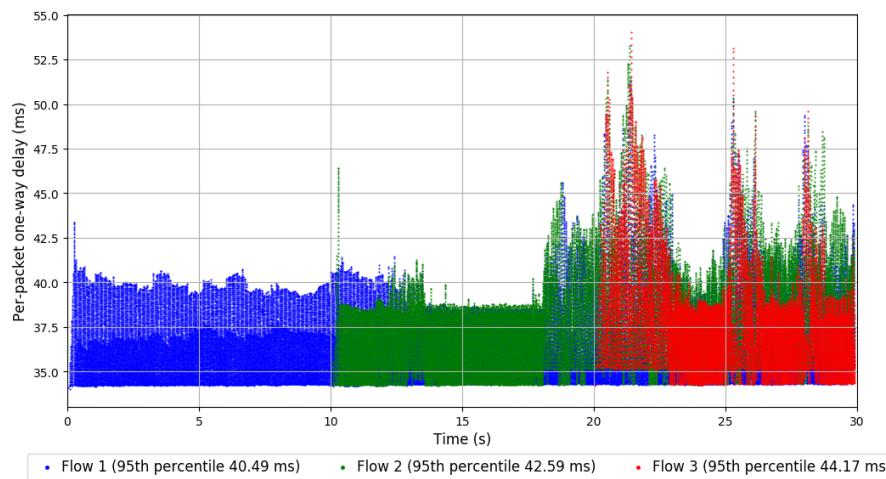
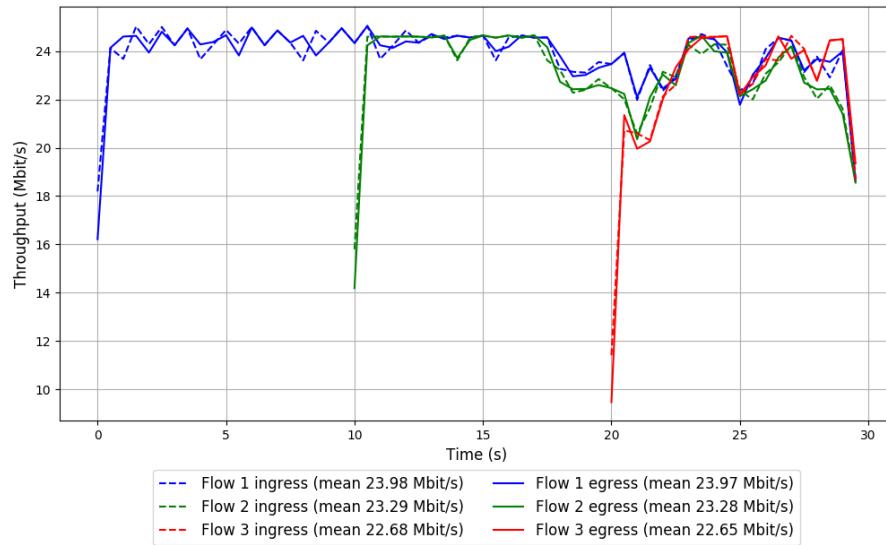


Run 2: Statistics of Sprout

```
Start at: 2018-02-02 22:43:06
End at: 2018-02-02 22:43:36
Local clock offset: -4.042 ms
Remote clock offset: -25.06 ms

# Below is generated by plot.py at 2018-02-03 05:46:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 46.91 Mbit/s
95th percentile per-packet one-way delay: 41.908 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 23.97 Mbit/s
95th percentile per-packet one-way delay: 40.490 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 23.28 Mbit/s
95th percentile per-packet one-way delay: 42.591 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 22.65 Mbit/s
95th percentile per-packet one-way delay: 44.168 ms
Loss rate: 0.29%
```

Run 2: Report of Sprout — Data Link

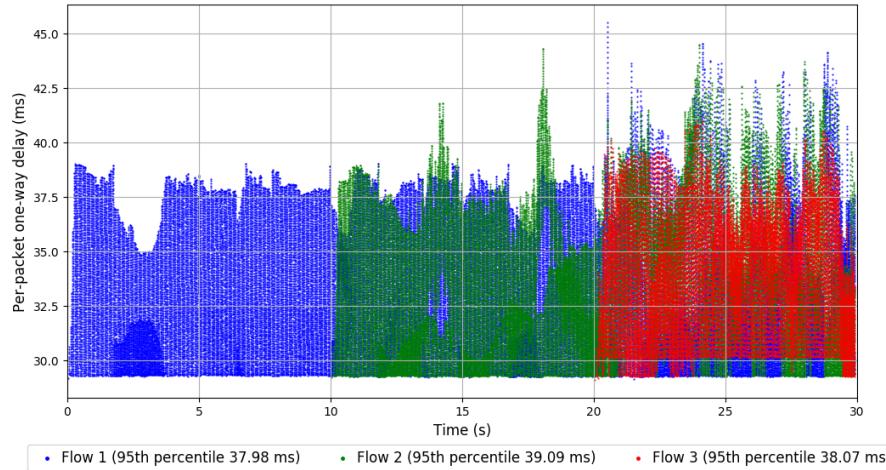
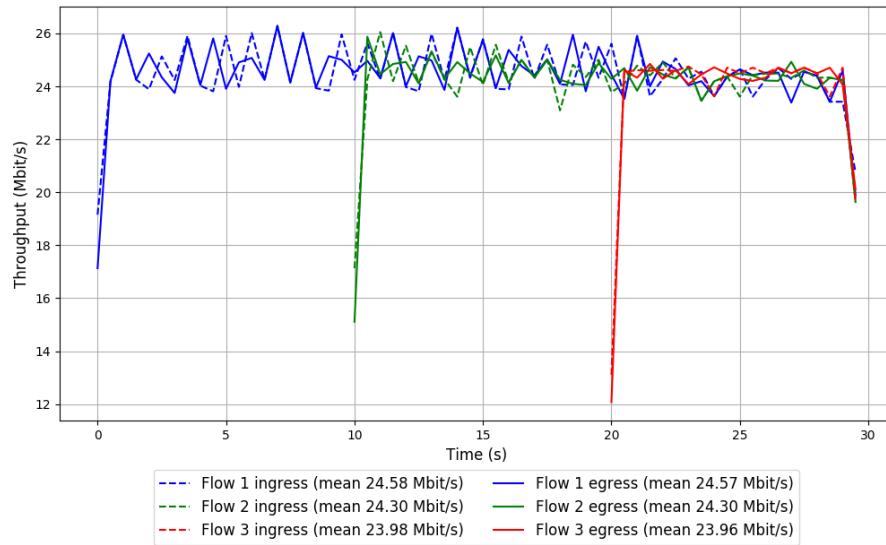


Run 3: Statistics of Sprout

```
Start at: 2018-02-02 23:04:46
End at: 2018-02-02 23:05:16
Local clock offset: -3.034 ms
Remote clock offset: -22.862 ms

# Below is generated by plot.py at 2018-02-03 05:46:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.62 Mbit/s
95th percentile per-packet one-way delay: 38.329 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 37.984 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 39.092 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 23.96 Mbit/s
95th percentile per-packet one-way delay: 38.074 ms
Loss rate: 0.23%
```

Run 3: Report of Sprout — Data Link

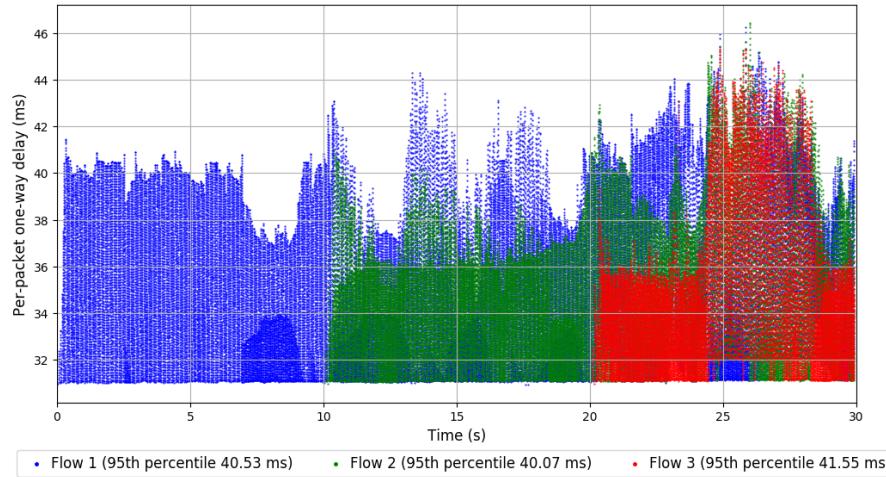
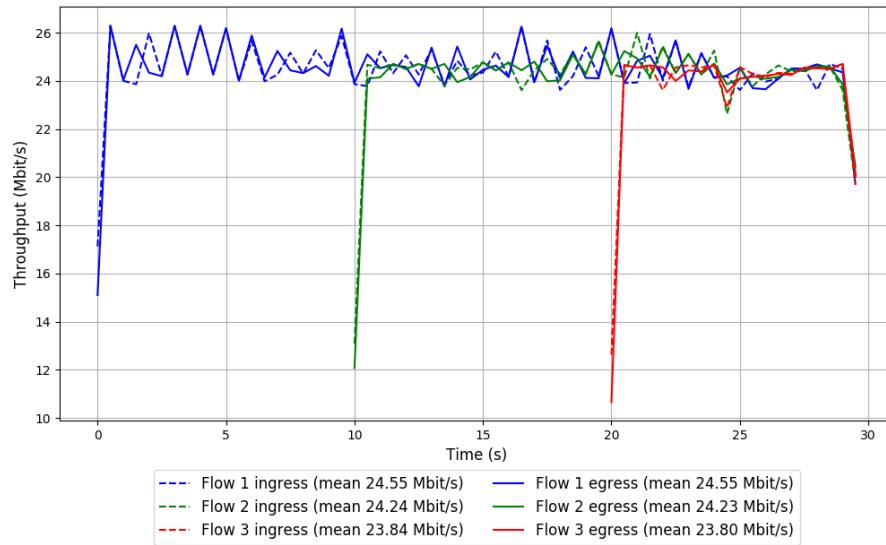


Run 4: Statistics of Sprout

```
Start at: 2018-02-02 23:26:12
End at: 2018-02-02 23:26:42
Local clock offset: -1.996 ms
Remote clock offset: -19.065 ms

# Below is generated by plot.py at 2018-02-03 05:46:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.51 Mbit/s
95th percentile per-packet one-way delay: 40.611 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: 40.529 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 24.23 Mbit/s
95th percentile per-packet one-way delay: 40.066 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 23.80 Mbit/s
95th percentile per-packet one-way delay: 41.551 ms
Loss rate: 0.32%
```

Run 4: Report of Sprout — Data Link

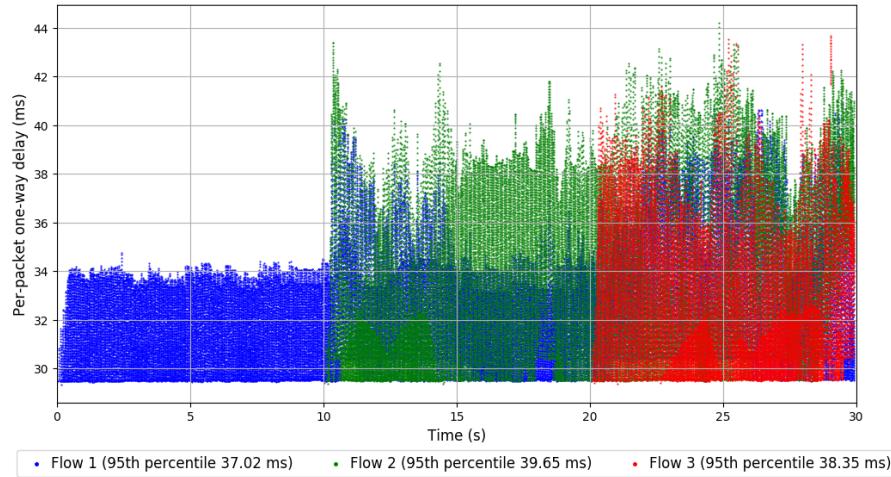
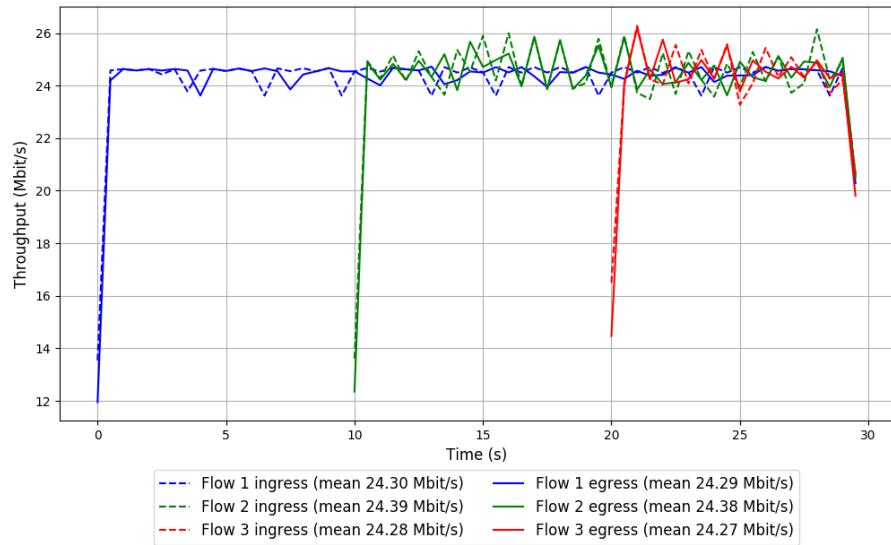


Run 5: Statistics of Sprout

```
Start at: 2018-02-02 23:47:39
End at: 2018-02-02 23:48:09
Local clock offset: -6.356 ms
Remote clock offset: -17.131 ms

# Below is generated by plot.py at 2018-02-03 05:46:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.49 Mbit/s
95th percentile per-packet one-way delay: 38.452 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 24.29 Mbit/s
95th percentile per-packet one-way delay: 37.023 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 39.645 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 24.27 Mbit/s
95th percentile per-packet one-way delay: 38.349 ms
Loss rate: 0.41%
```

Run 5: Report of Sprout — Data Link

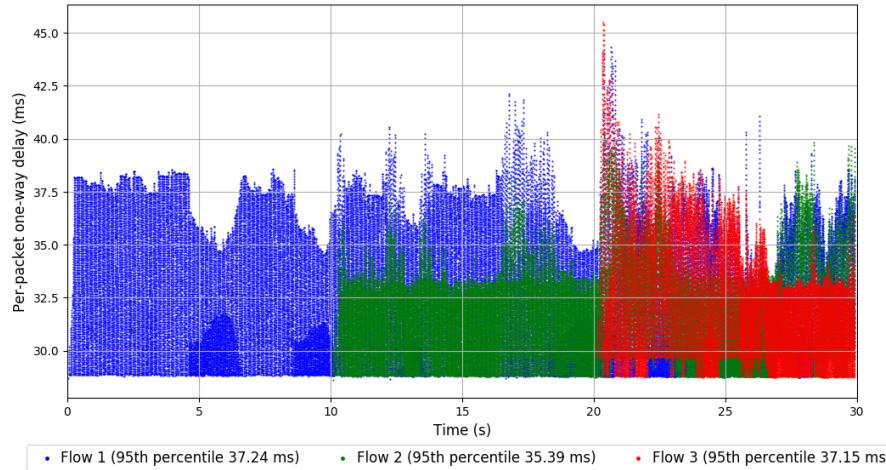
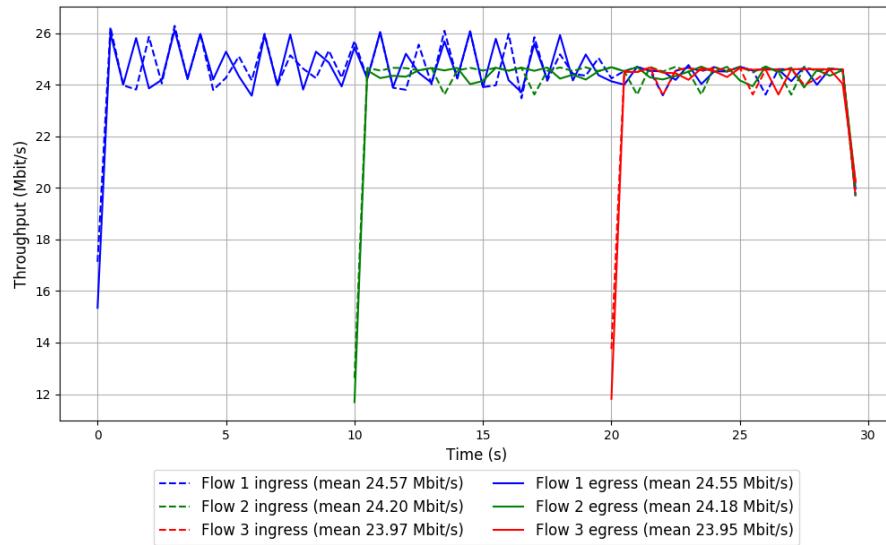


Run 6: Statistics of Sprout

```
Start at: 2018-02-03 00:09:17
End at: 2018-02-03 00:09:47
Local clock offset: -5.95 ms
Remote clock offset: -18.906 ms

# Below is generated by plot.py at 2018-02-03 05:46:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.53 Mbit/s
95th percentile per-packet one-way delay: 36.901 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: 37.245 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 24.18 Mbit/s
95th percentile per-packet one-way delay: 35.394 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 23.95 Mbit/s
95th percentile per-packet one-way delay: 37.152 ms
Loss rate: 0.21%
```

Run 6: Report of Sprout — Data Link

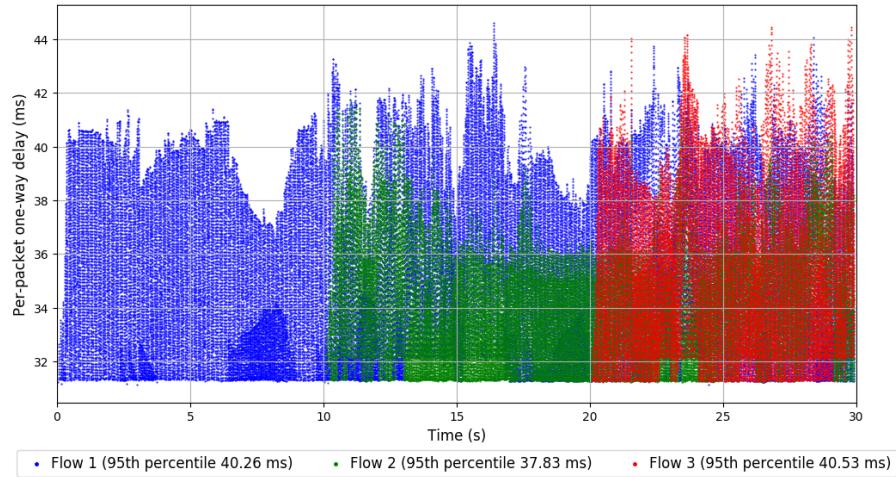
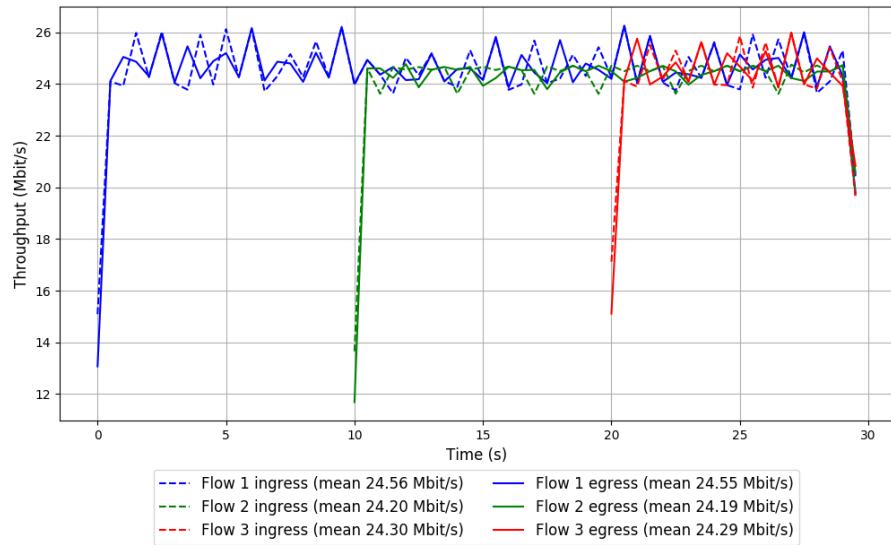


Run 7: Statistics of Sprout

```
Start at: 2018-02-03 00:31:23
End at: 2018-02-03 00:31:53
Local clock offset: -2.689 ms
Remote clock offset: -19.621 ms

# Below is generated by plot.py at 2018-02-03 05:46:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.64 Mbit/s
95th percentile per-packet one-way delay: 39.919 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: 40.262 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.19 Mbit/s
95th percentile per-packet one-way delay: 37.826 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 24.29 Mbit/s
95th percentile per-packet one-way delay: 40.528 ms
Loss rate: 0.16%
```

Run 7: Report of Sprout — Data Link

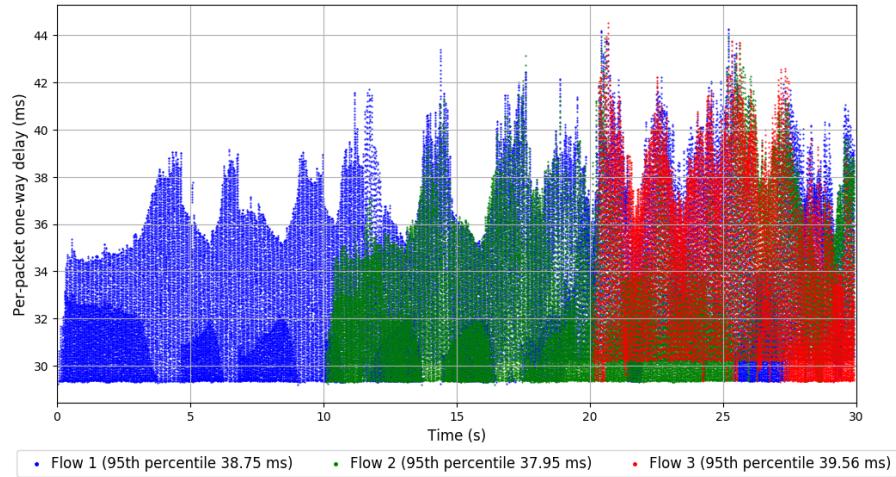
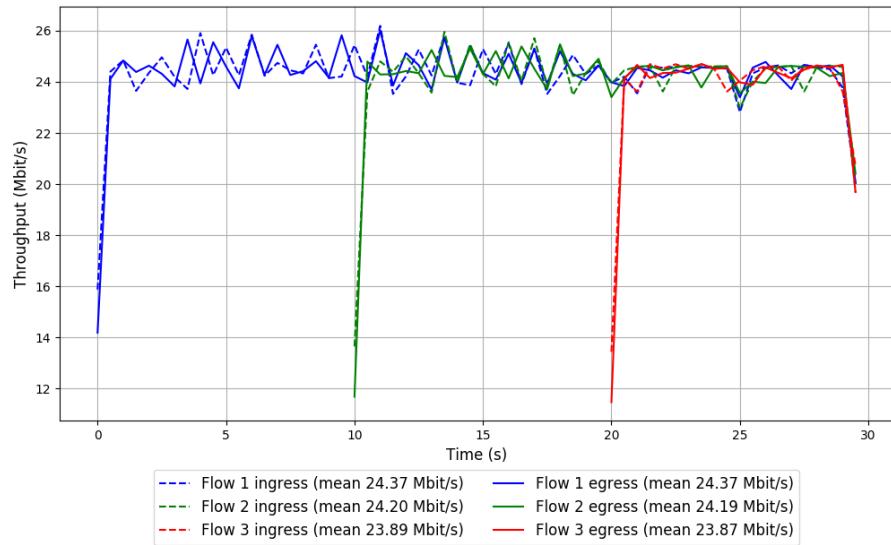


Run 8: Statistics of Sprout

```
Start at: 2018-02-03 00:53:58
End at: 2018-02-03 00:54:28
Local clock offset: -3.607 ms
Remote clock offset: -16.096 ms

# Below is generated by plot.py at 2018-02-03 05:46:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.33 Mbit/s
95th percentile per-packet one-way delay: 38.742 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 24.37 Mbit/s
95th percentile per-packet one-way delay: 38.746 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 24.19 Mbit/s
95th percentile per-packet one-way delay: 37.953 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 23.87 Mbit/s
95th percentile per-packet one-way delay: 39.561 ms
Loss rate: 0.42%
```

Run 8: Report of Sprout — Data Link

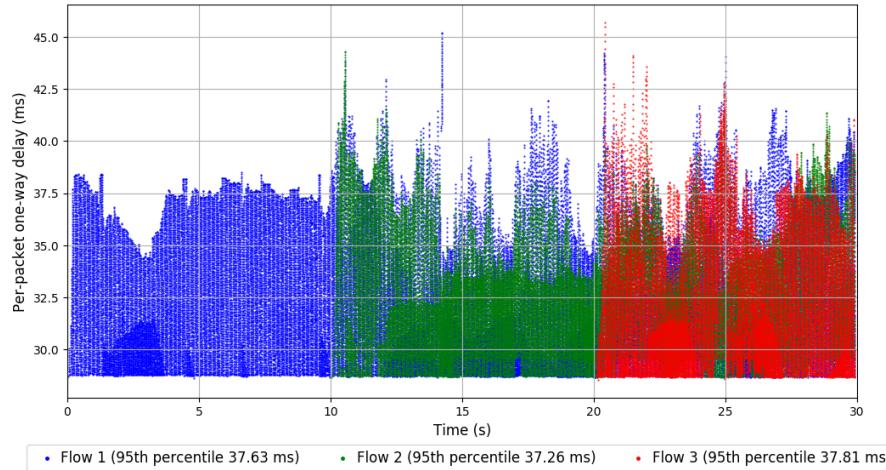
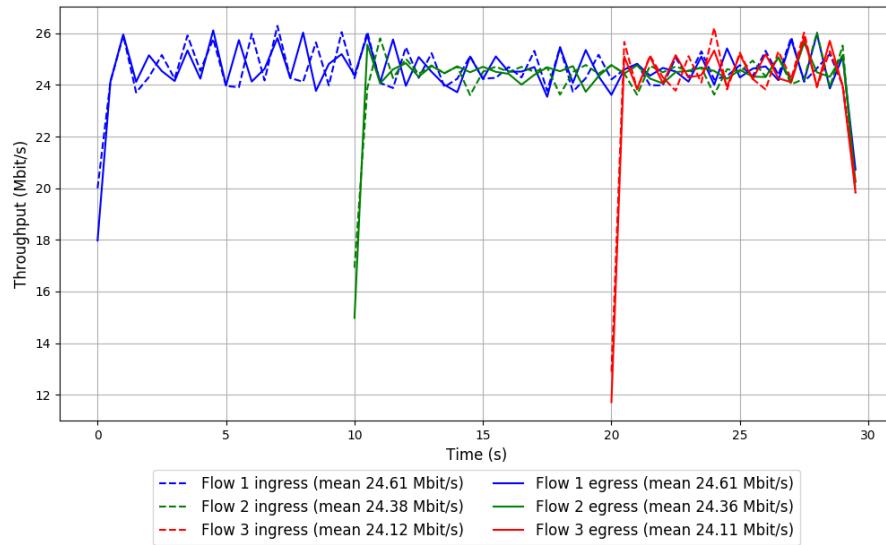


Run 9: Statistics of Sprout

```
Start at: 2018-02-03 01:16:55
End at: 2018-02-03 01:17:25
Local clock offset: -4.426 ms
Remote clock offset: -19.469 ms

# Below is generated by plot.py at 2018-02-03 05:46:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.76 Mbit/s
95th percentile per-packet one-way delay: 37.554 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 24.61 Mbit/s
95th percentile per-packet one-way delay: 37.628 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 24.36 Mbit/s
95th percentile per-packet one-way delay: 37.257 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 24.11 Mbit/s
95th percentile per-packet one-way delay: 37.808 ms
Loss rate: 0.41%
```

Run 9: Report of Sprout — Data Link

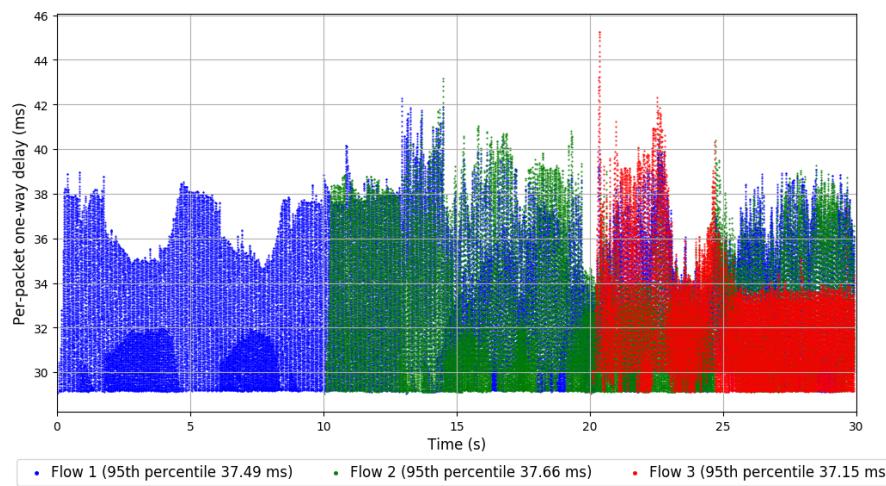
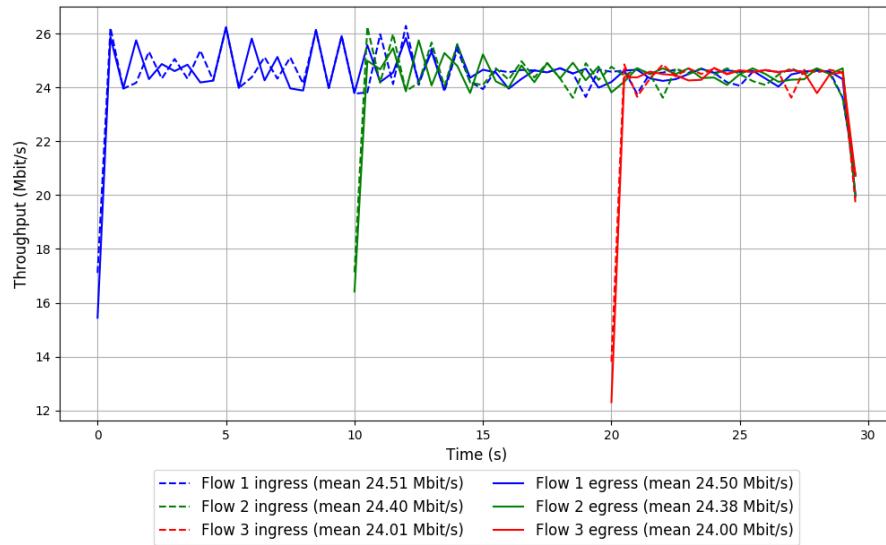


Run 10: Statistics of Sprout

```
Start at: 2018-02-03 01:39:50
End at: 2018-02-03 01:40:20
Local clock offset: -3.292 ms
Remote clock offset: -19.192 ms

# Below is generated by plot.py at 2018-02-03 05:46:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.63 Mbit/s
95th percentile per-packet one-way delay: 37.517 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 24.50 Mbit/s
95th percentile per-packet one-way delay: 37.487 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 37.661 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 24.00 Mbit/s
95th percentile per-packet one-way delay: 37.149 ms
Loss rate: 0.20%
```

Run 10: Report of Sprout — Data Link

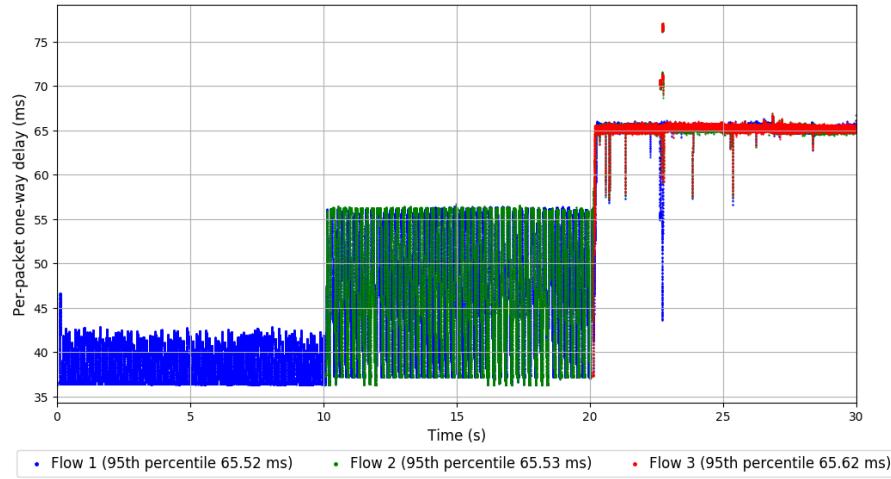
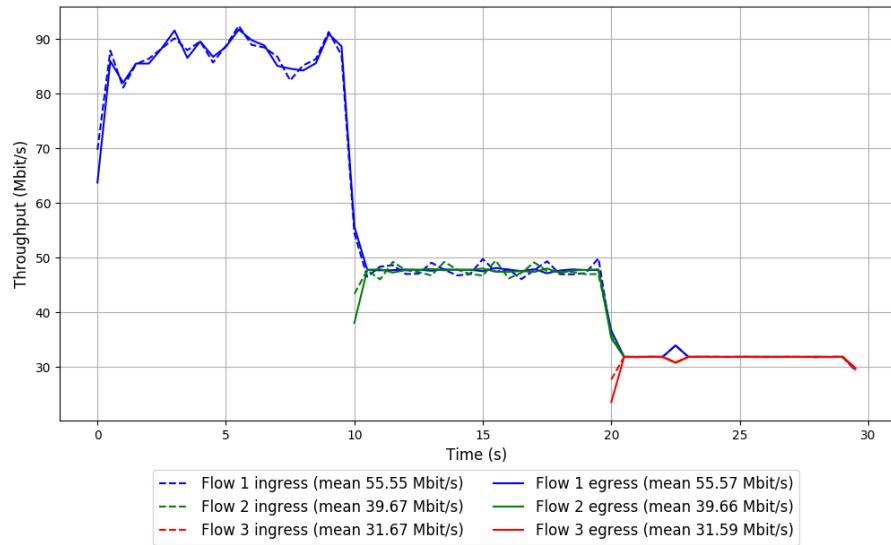


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-02-02 22:27:11
End at: 2018-02-02 22:27:41
Local clock offset: -2.308 ms
Remote clock offset: -24.976 ms

# Below is generated by plot.py at 2018-02-03 05:48:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.42 Mbit/s
95th percentile per-packet one-way delay: 65.548 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 55.57 Mbit/s
95th percentile per-packet one-way delay: 65.520 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 39.66 Mbit/s
95th percentile per-packet one-way delay: 65.531 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 31.59 Mbit/s
95th percentile per-packet one-way delay: 65.622 ms
Loss rate: 0.60%
```

Run 1: Report of TaoVA-100x — Data Link

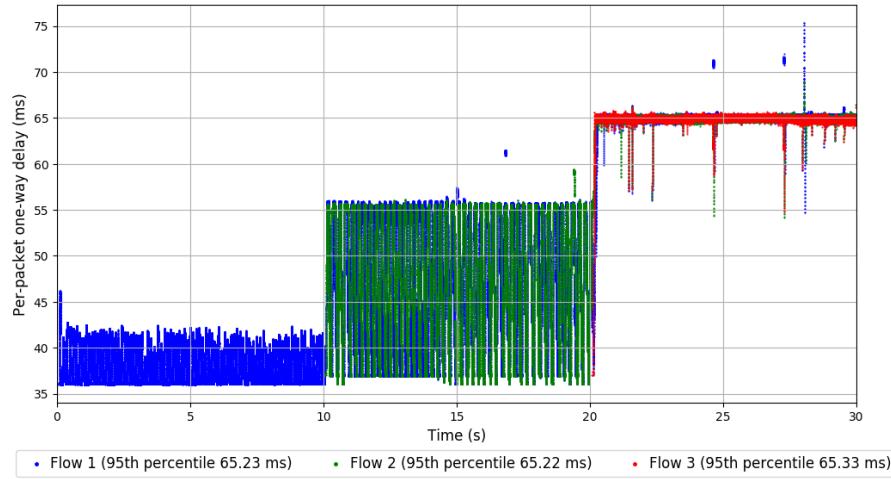
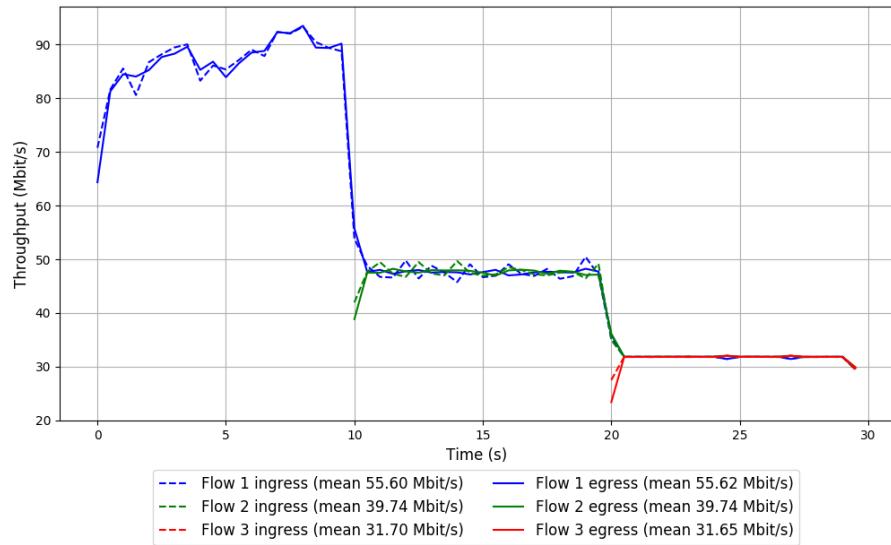


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-02-02 22:49:10
End at: 2018-02-02 22:49:40
Local clock offset: -1.055 ms
Remote clock offset: -22.919 ms

# Below is generated by plot.py at 2018-02-03 05:48:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.54 Mbit/s
95th percentile per-packet one-way delay: 65.252 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 55.62 Mbit/s
95th percentile per-packet one-way delay: 65.235 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 39.74 Mbit/s
95th percentile per-packet one-way delay: 65.221 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 31.65 Mbit/s
95th percentile per-packet one-way delay: 65.325 ms
Loss rate: 0.60%
```

Run 2: Report of TaoVA-100x — Data Link

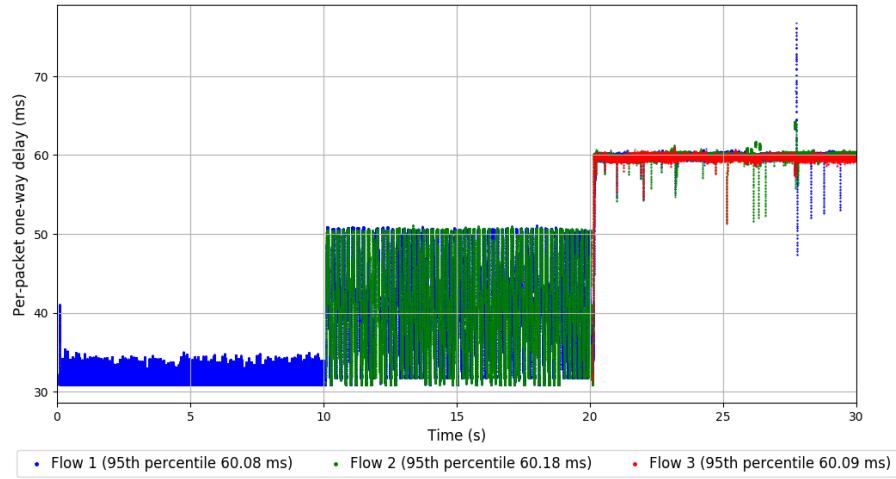
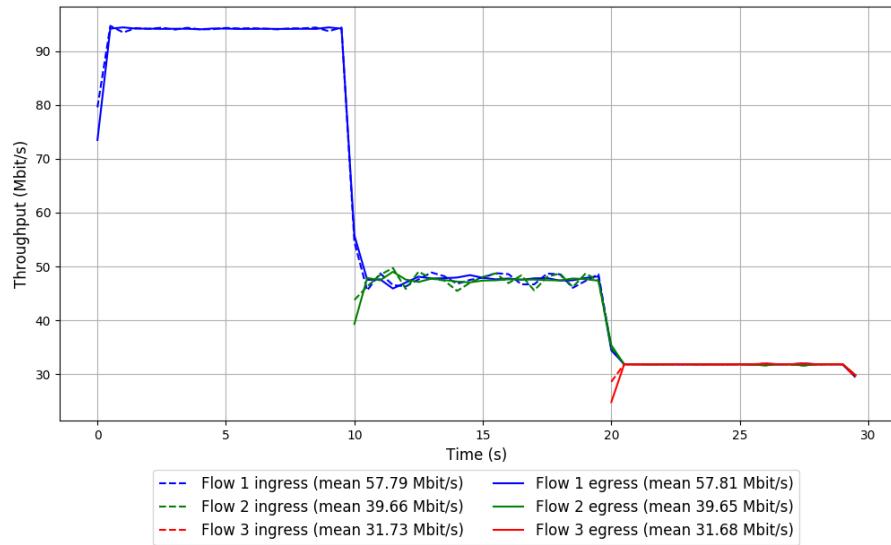


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-02-02 23:10:47
End at: 2018-02-02 23:11:17
Local clock offset: -1.038 ms
Remote clock offset: -22.58 ms

# Below is generated by plot.py at 2018-02-03 05:48:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.70 Mbit/s
95th percentile per-packet one-way delay: 60.124 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 57.81 Mbit/s
95th percentile per-packet one-way delay: 60.082 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 39.65 Mbit/s
95th percentile per-packet one-way delay: 60.178 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 31.68 Mbit/s
95th percentile per-packet one-way delay: 60.090 ms
Loss rate: 0.54%
```

Run 3: Report of TaoVA-100x — Data Link

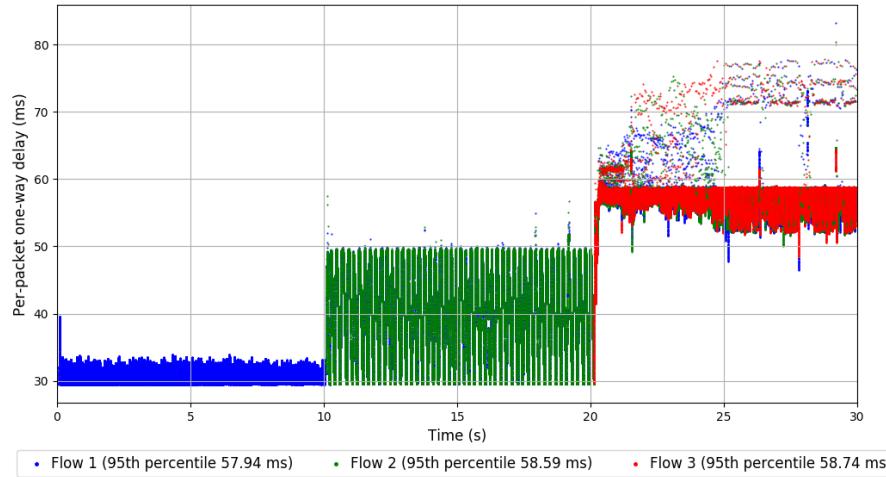
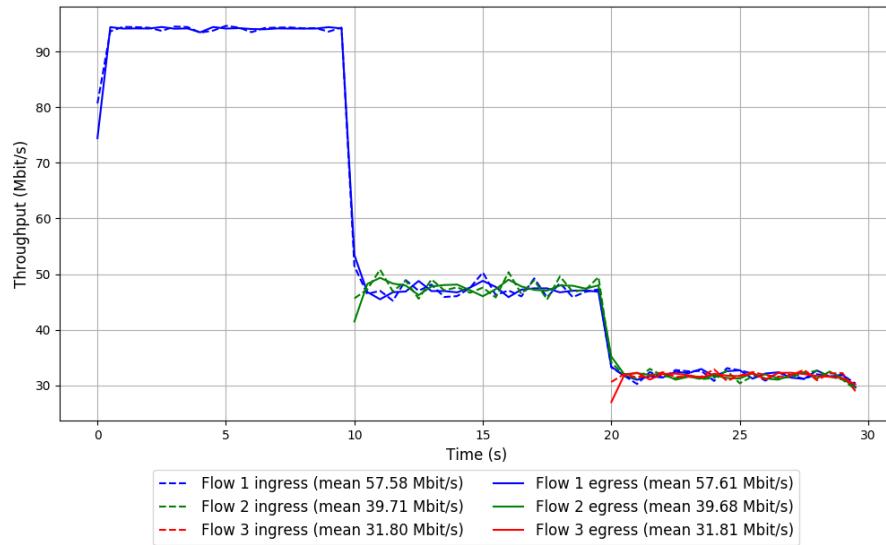


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-02-02 23:32:12
End at: 2018-02-02 23:32:42
Local clock offset: -5.28 ms
Remote clock offset: -19.148 ms

# Below is generated by plot.py at 2018-02-03 05:48:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.54 Mbit/s
95th percentile per-packet one-way delay: 58.547 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 57.61 Mbit/s
95th percentile per-packet one-way delay: 57.935 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 39.68 Mbit/s
95th percentile per-packet one-way delay: 58.595 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 31.81 Mbit/s
95th percentile per-packet one-way delay: 58.738 ms
Loss rate: 0.52%
```

Run 4: Report of TaoVA-100x — Data Link

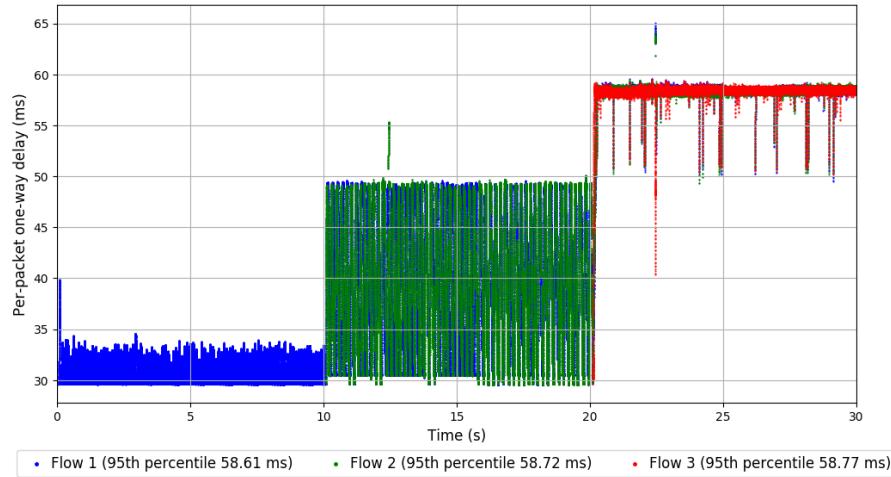
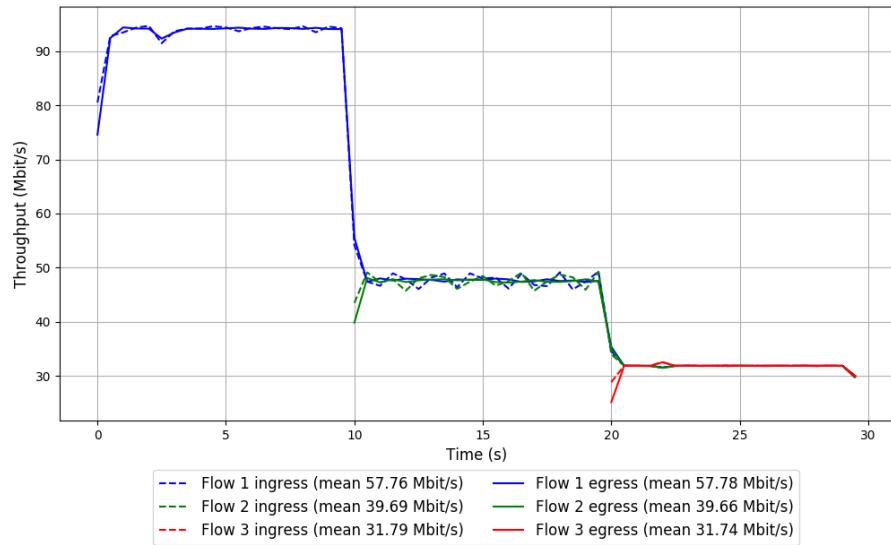


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-02-02 23:53:40
End at: 2018-02-02 23:54:10
Local clock offset: -4.683 ms
Remote clock offset: -16.66 ms

# Below is generated by plot.py at 2018-02-03 05:48:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.69 Mbit/s
95th percentile per-packet one-way delay: 58.705 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 57.78 Mbit/s
95th percentile per-packet one-way delay: 58.614 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 39.66 Mbit/s
95th percentile per-packet one-way delay: 58.720 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 31.74 Mbit/s
95th percentile per-packet one-way delay: 58.775 ms
Loss rate: 0.54%
```

Run 5: Report of TaoVA-100x — Data Link

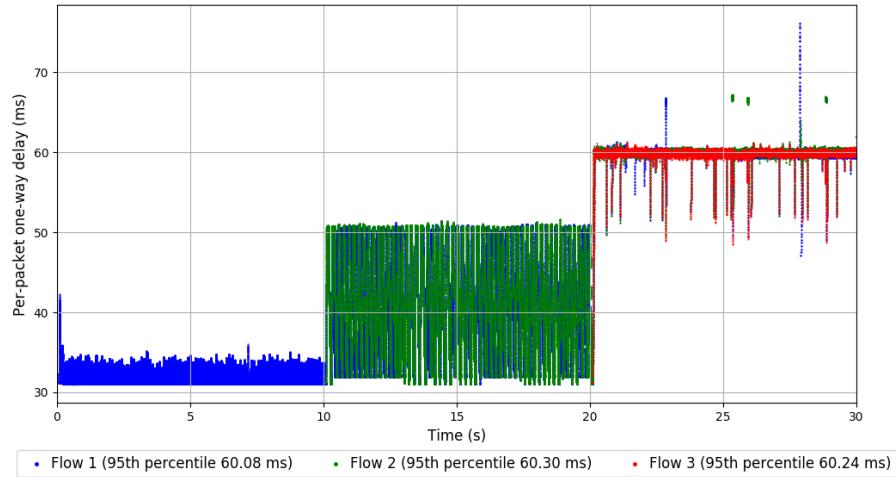
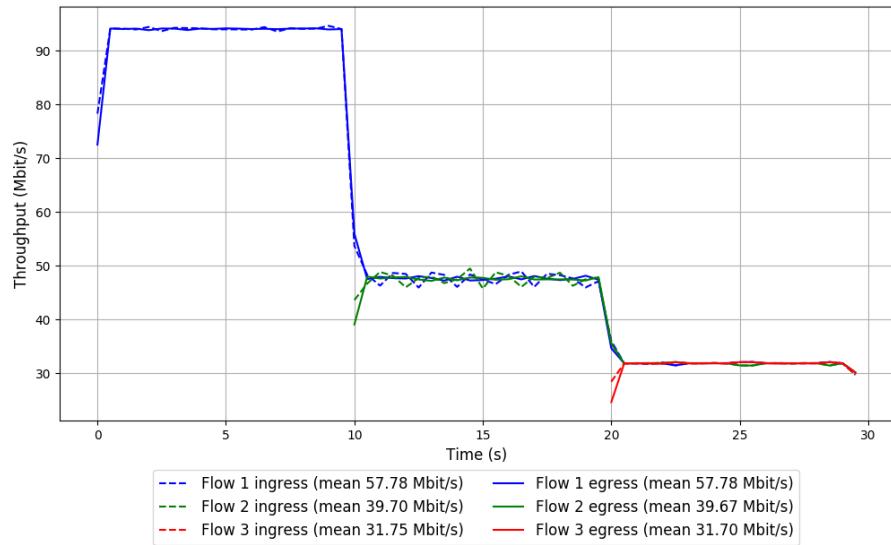


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-02-03 00:15:16
End at: 2018-02-03 00:15:46
Local clock offset: -3.577 ms
Remote clock offset: -19.373 ms

# Below is generated by plot.py at 2018-02-03 05:49:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.67 Mbit/s
95th percentile per-packet one-way delay: 60.233 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 57.78 Mbit/s
95th percentile per-packet one-way delay: 60.075 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 39.67 Mbit/s
95th percentile per-packet one-way delay: 60.302 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 31.70 Mbit/s
95th percentile per-packet one-way delay: 60.242 ms
Loss rate: 0.54%
```

Run 6: Report of TaoVA-100x — Data Link

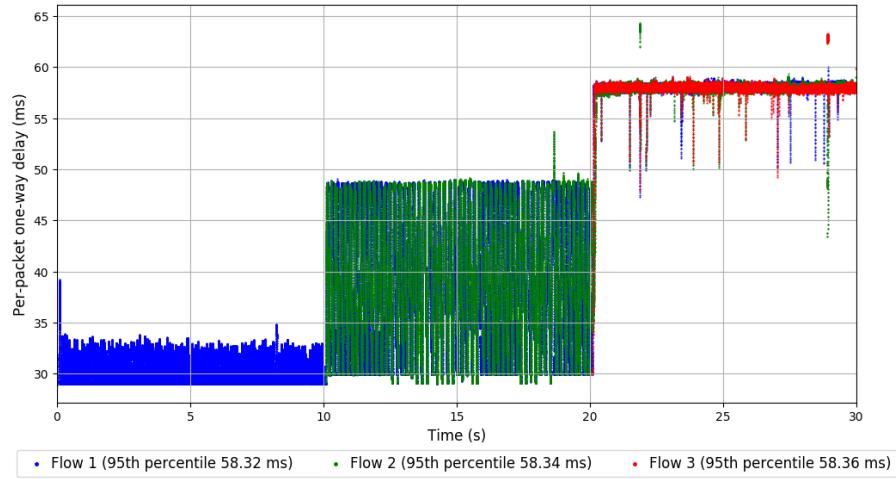
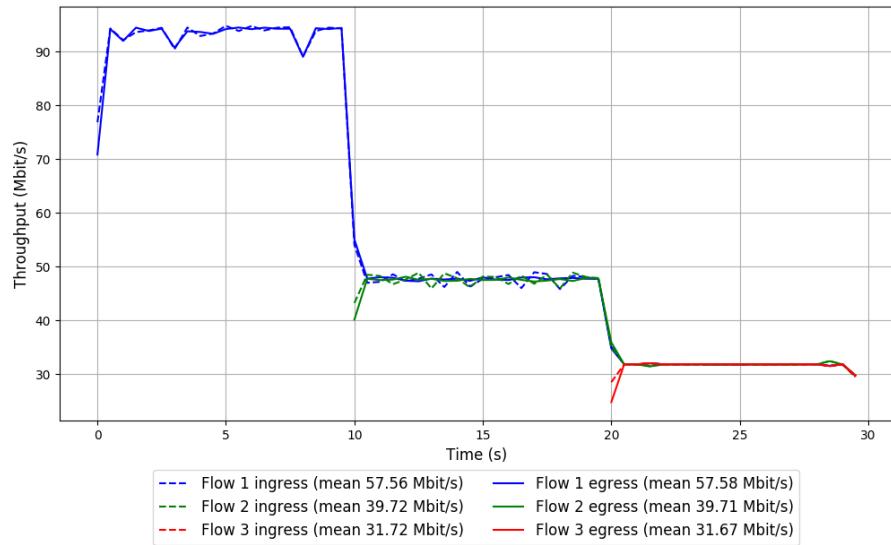


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-02-03 00:37:28
End at: 2018-02-03 00:37:58
Local clock offset: -3.057 ms
Remote clock offset: -17.829 ms

# Below is generated by plot.py at 2018-02-03 05:49:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.50 Mbit/s
95th percentile per-packet one-way delay: 58.337 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 57.58 Mbit/s
95th percentile per-packet one-way delay: 58.318 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 39.71 Mbit/s
95th percentile per-packet one-way delay: 58.345 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 31.67 Mbit/s
95th percentile per-packet one-way delay: 58.364 ms
Loss rate: 0.54%
```

Run 7: Report of TaoVA-100x — Data Link

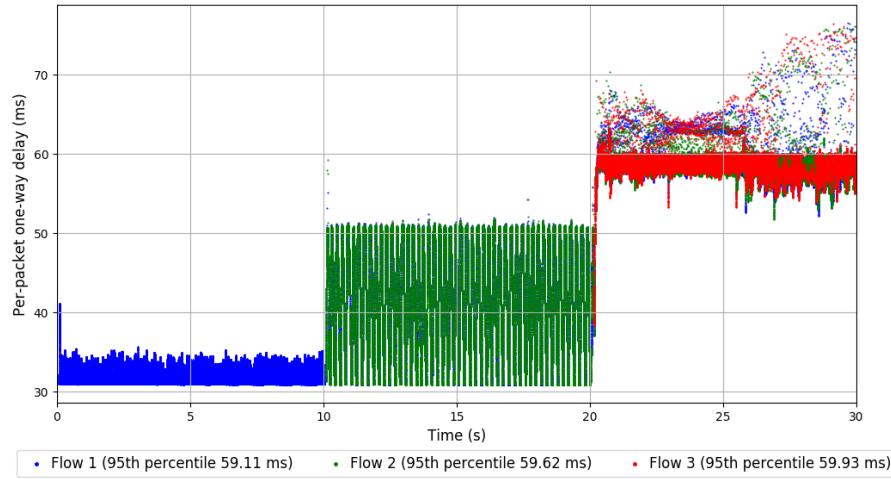
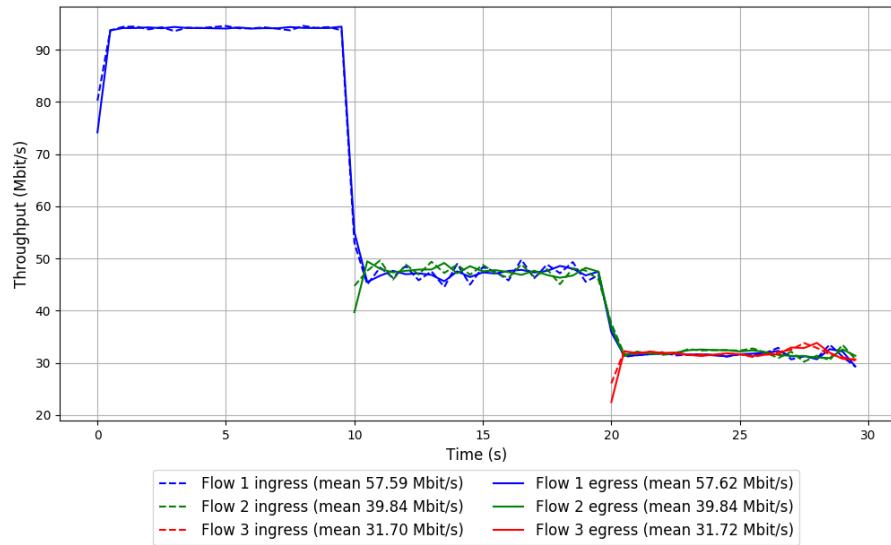


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-02-03 01:00:18
End at: 2018-02-03 01:00:48
Local clock offset: -3.498 ms
Remote clock offset: -18.368 ms

# Below is generated by plot.py at 2018-02-03 05:49:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.58 Mbit/s
95th percentile per-packet one-way delay: 59.471 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 57.62 Mbit/s
95th percentile per-packet one-way delay: 59.109 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 39.84 Mbit/s
95th percentile per-packet one-way delay: 59.623 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 31.72 Mbit/s
95th percentile per-packet one-way delay: 59.934 ms
Loss rate: 0.53%
```

Run 8: Report of TaoVA-100x — Data Link

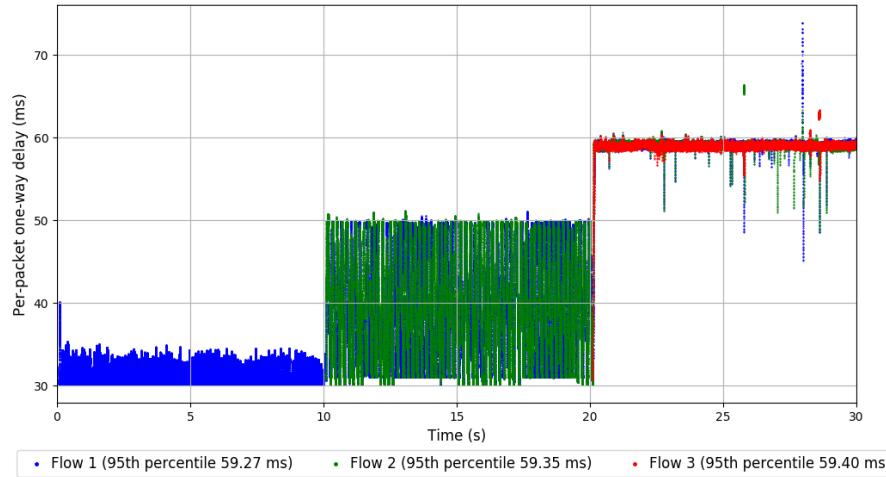
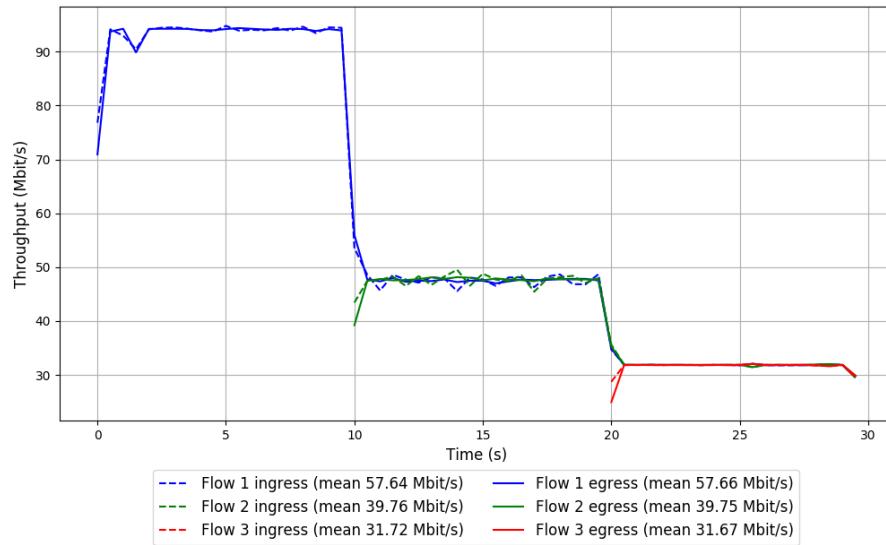


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-02-03 01:23:16
End at: 2018-02-03 01:23:46
Local clock offset: -2.682 ms
Remote clock offset: -19.841 ms

# Below is generated by plot.py at 2018-02-03 05:50:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.60 Mbit/s
95th percentile per-packet one-way delay: 59.326 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 57.66 Mbit/s
95th percentile per-packet one-way delay: 59.269 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 39.75 Mbit/s
95th percentile per-packet one-way delay: 59.351 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 31.67 Mbit/s
95th percentile per-packet one-way delay: 59.401 ms
Loss rate: 0.54%
```

Run 9: Report of TaoVA-100x — Data Link

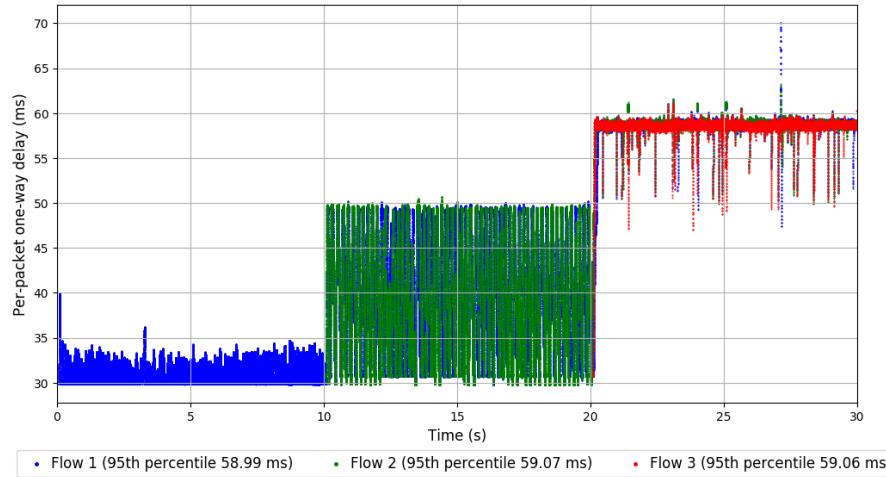
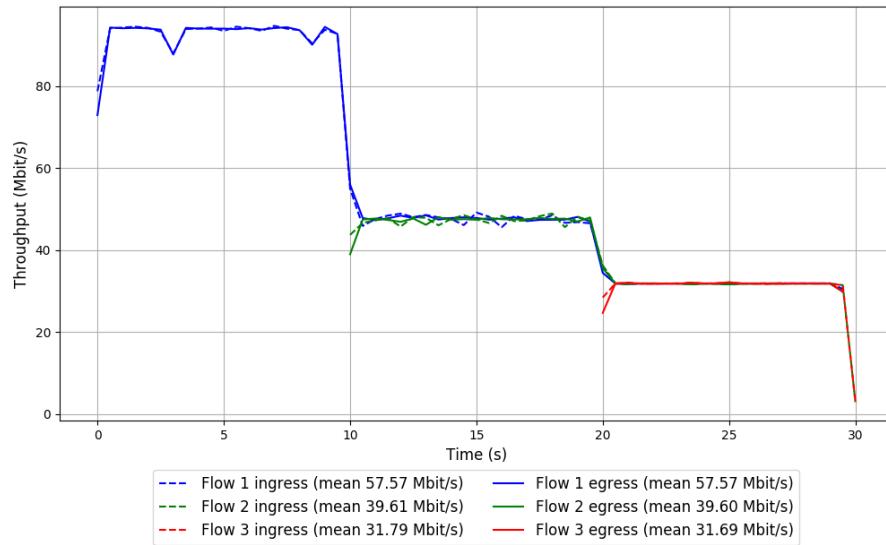


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-02-03 01:46:14
End at: 2018-02-03 01:46:44
Local clock offset: -2.898 ms
Remote clock offset: -19.605 ms

# Below is generated by plot.py at 2018-02-03 05:50:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.42 Mbit/s
95th percentile per-packet one-way delay: 59.027 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 57.57 Mbit/s
95th percentile per-packet one-way delay: 58.989 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 39.60 Mbit/s
95th percentile per-packet one-way delay: 59.067 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 31.69 Mbit/s
95th percentile per-packet one-way delay: 59.060 ms
Loss rate: 1.28%
```

Run 10: Report of TaoVA-100x — Data Link

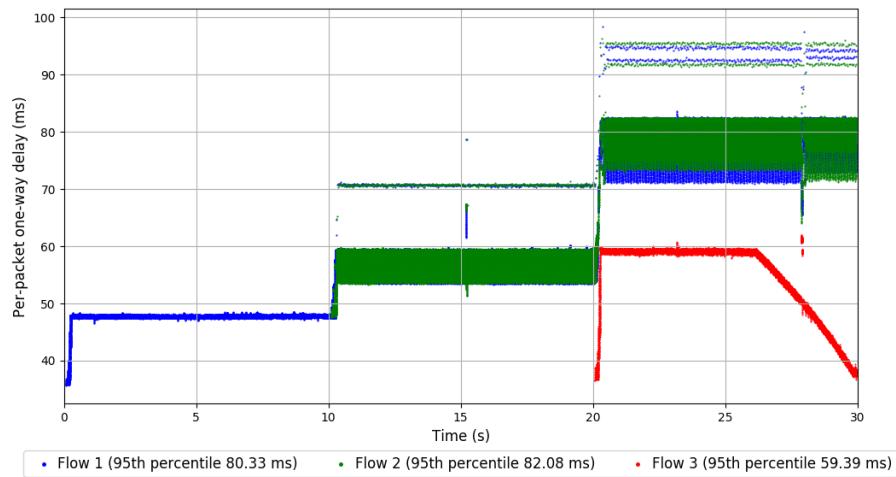
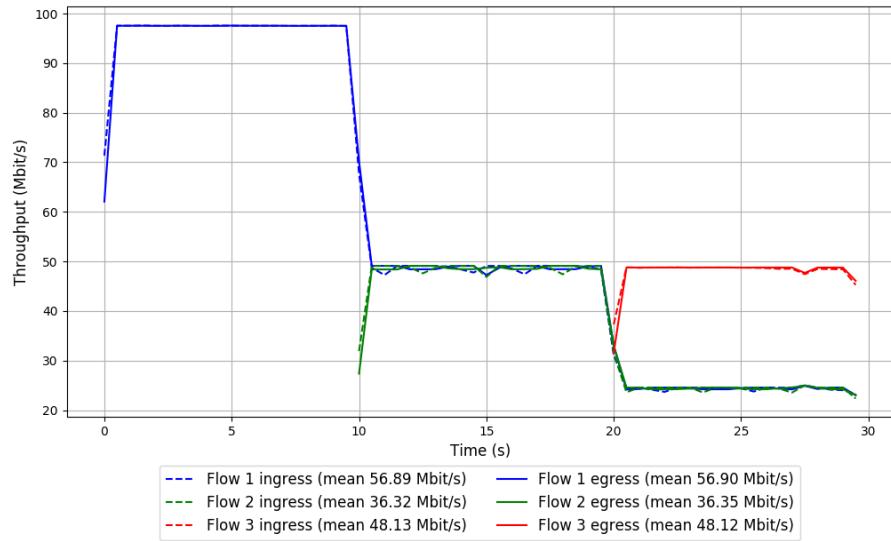


Run 1: Statistics of TCP Vegas

```
Start at: 2018-02-02 22:17:28
End at: 2018-02-02 22:17:58
Local clock offset: -2.943 ms
Remote clock offset: -22.881 ms

# Below is generated by plot.py at 2018-02-03 05:50:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.03 Mbit/s
95th percentile per-packet one-way delay: 80.868 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 56.90 Mbit/s
95th percentile per-packet one-way delay: 80.333 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 36.35 Mbit/s
95th percentile per-packet one-way delay: 82.083 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 48.12 Mbit/s
95th percentile per-packet one-way delay: 59.394 ms
Loss rate: 0.33%
```

Run 1: Report of TCP Vegas — Data Link

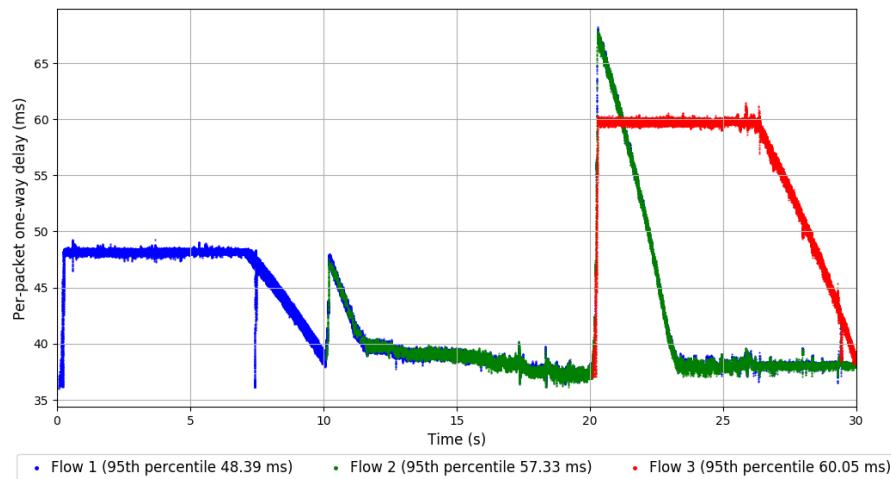
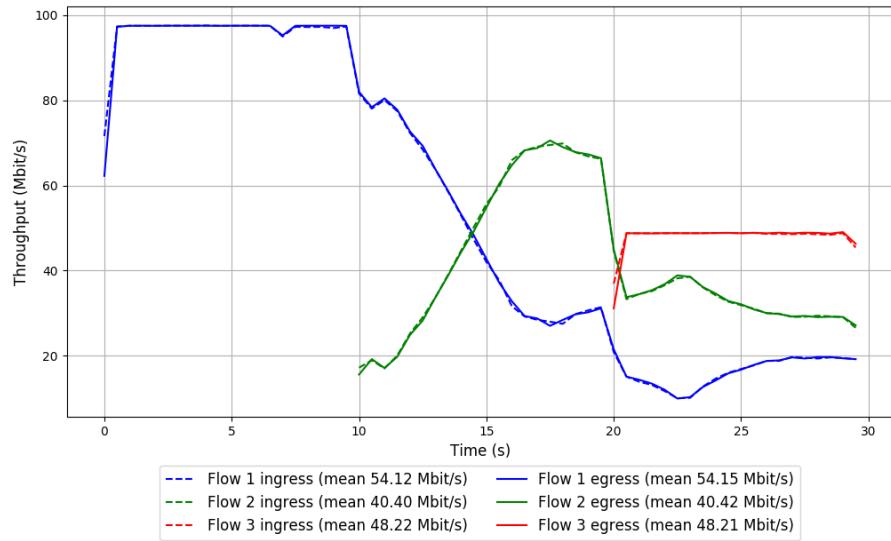


Run 2: Statistics of TCP Vegas

```
Start at: 2018-02-02 22:39:35
End at: 2018-02-02 22:40:05
Local clock offset: -3.396 ms
Remote clock offset: -27.32 ms

# Below is generated by plot.py at 2018-02-03 05:50:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.01 Mbit/s
95th percentile per-packet one-way delay: 59.925 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 54.15 Mbit/s
95th percentile per-packet one-way delay: 48.393 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 40.42 Mbit/s
95th percentile per-packet one-way delay: 57.329 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 48.21 Mbit/s
95th percentile per-packet one-way delay: 60.054 ms
Loss rate: 0.34%
```

Run 2: Report of TCP Vegas — Data Link

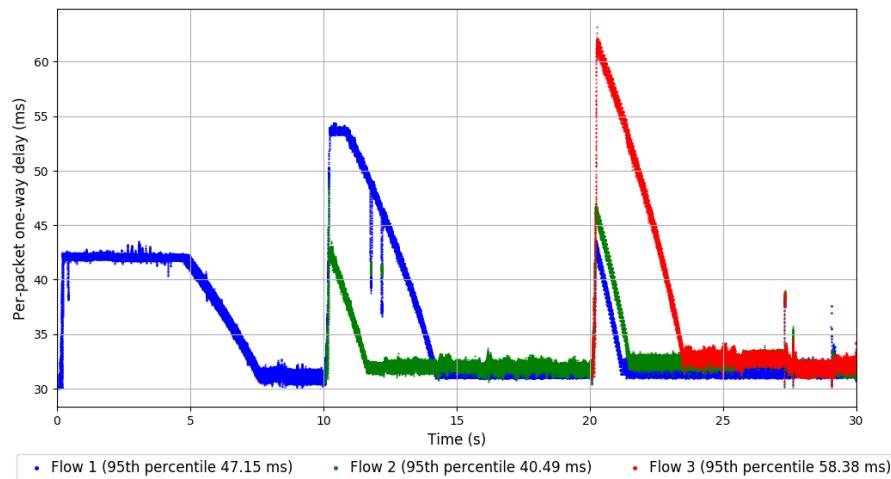
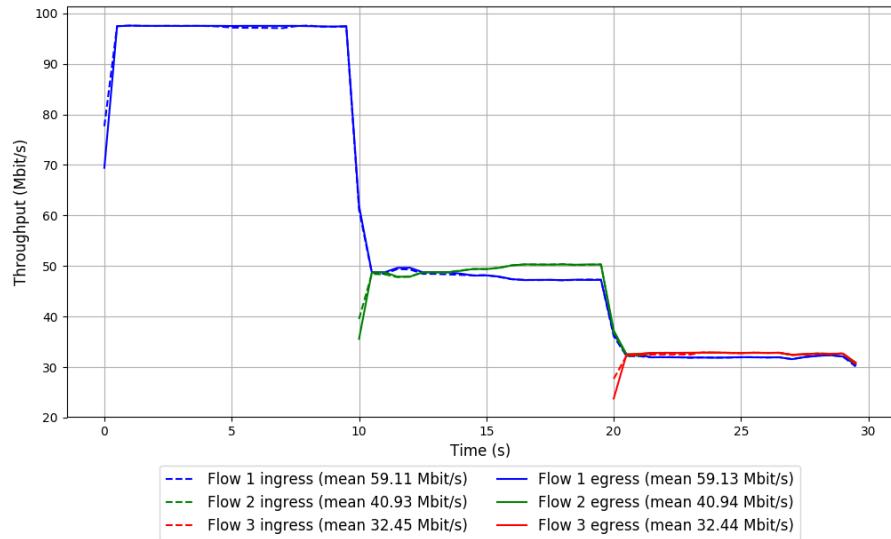


Run 3: Statistics of TCP Vegas

```
Start at: 2018-02-02 23:01:16
End at: 2018-02-02 23:01:46
Local clock offset: -2.656 ms
Remote clock offset: -23.316 ms

# Below is generated by plot.py at 2018-02-03 05:50:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 47.646 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 59.13 Mbit/s
95th percentile per-packet one-way delay: 47.150 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 40.94 Mbit/s
95th percentile per-packet one-way delay: 40.493 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 32.44 Mbit/s
95th percentile per-packet one-way delay: 58.377 ms
Loss rate: 0.28%
```

Run 3: Report of TCP Vegas — Data Link

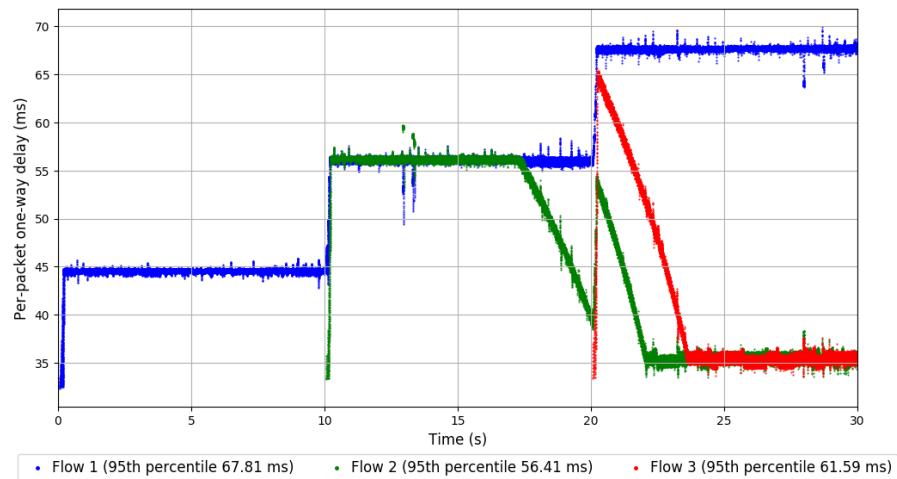
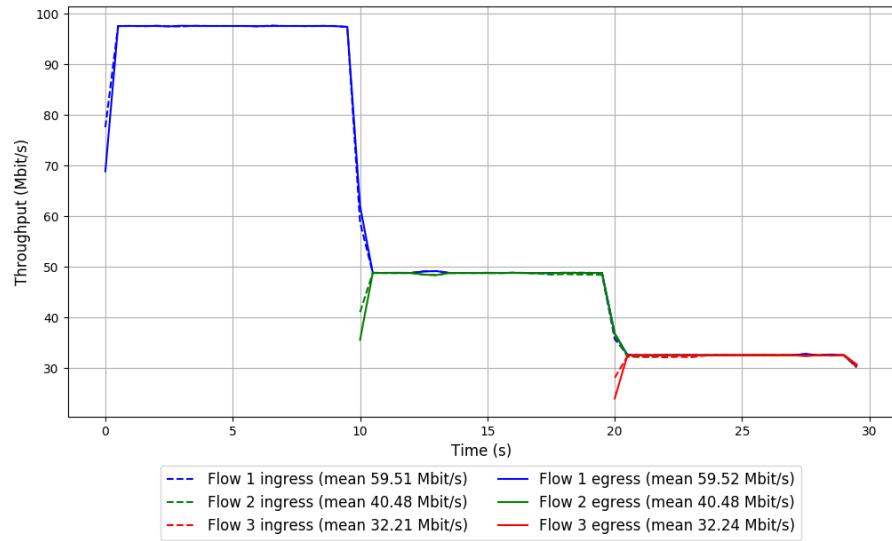


Run 4: Statistics of TCP Vegas

```
Start at: 2018-02-02 23:22:45
End at: 2018-02-02 23:23:15
Local clock offset: -0.705 ms
Remote clock offset: -20.056 ms

# Below is generated by plot.py at 2018-02-03 05:50:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 67.699 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 59.52 Mbit/s
95th percentile per-packet one-way delay: 67.815 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.48 Mbit/s
95th percentile per-packet one-way delay: 56.413 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 32.24 Mbit/s
95th percentile per-packet one-way delay: 61.590 ms
Loss rate: 0.28%
```

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-02-02 23:44:13
End at: 2018-02-02 23:44:43
Local clock offset: -2.713 ms
Remote clock offset: -16.662 ms

Run 5: Report of TCP Vegas — Data Link

Figure is missing

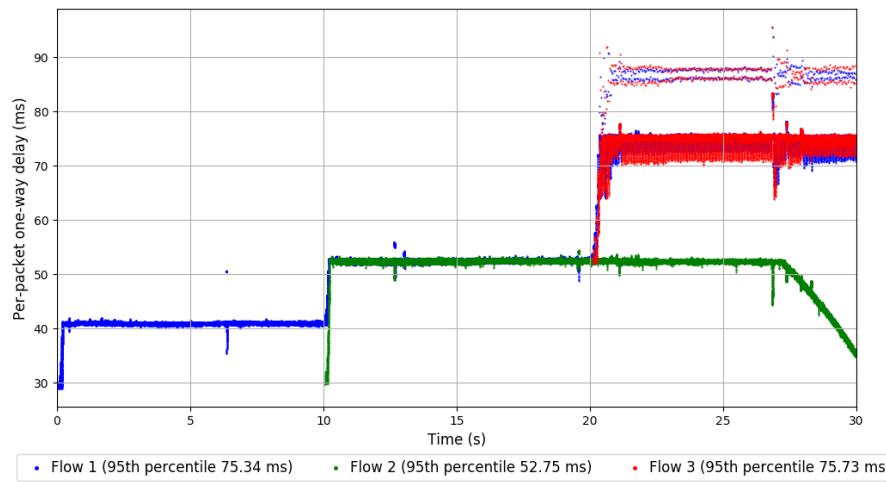
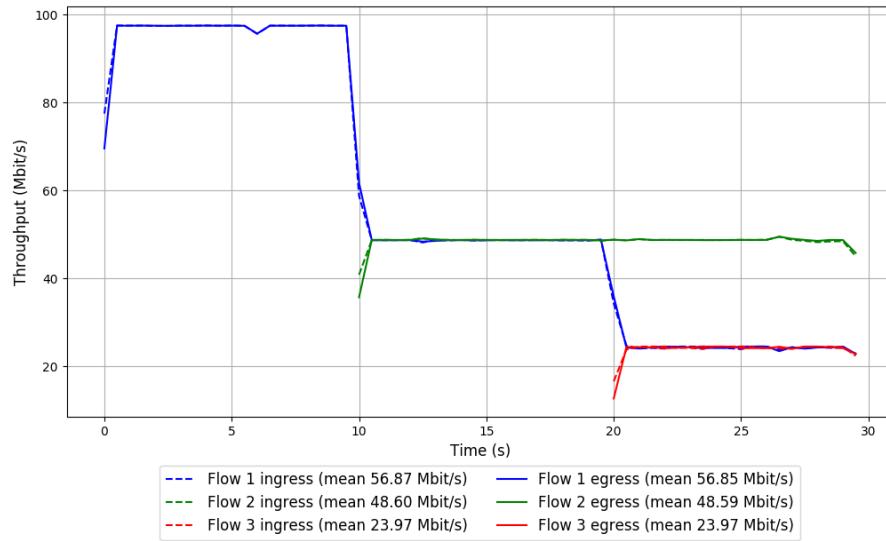
Figure is missing

Run 6: Statistics of TCP Vegas

```
Start at: 2018-02-03 00:05:49
End at: 2018-02-03 00:06:19
Local clock offset: -5.171 ms
Remote clock offset: -17.668 ms

# Below is generated by plot.py at 2018-02-03 05:50:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 75.386 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 56.85 Mbit/s
95th percentile per-packet one-way delay: 75.340 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 48.59 Mbit/s
95th percentile per-packet one-way delay: 52.752 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 23.97 Mbit/s
95th percentile per-packet one-way delay: 75.727 ms
Loss rate: 0.72%
```

Run 6: Report of TCP Vegas — Data Link

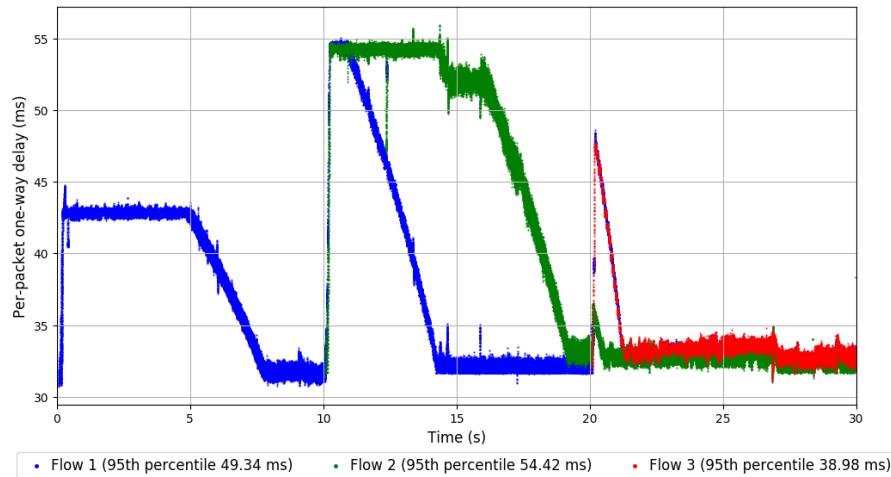
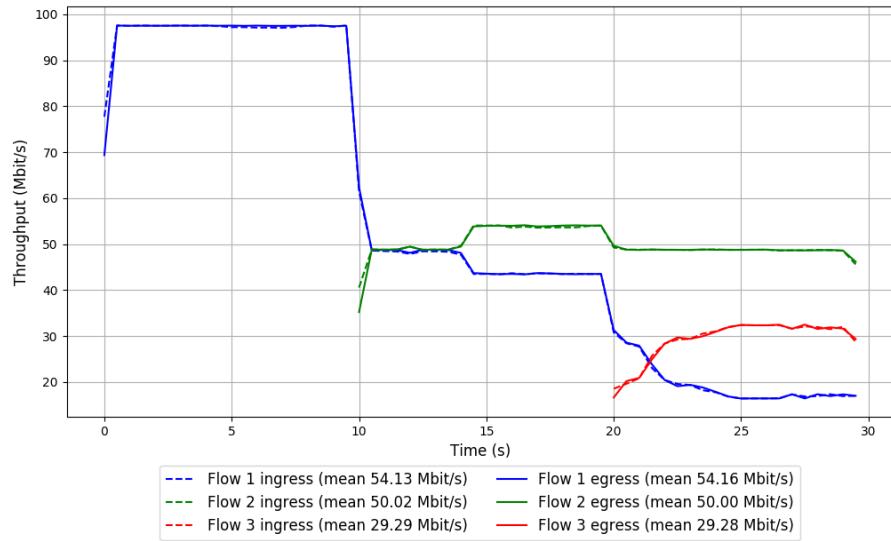


Run 7: Statistics of TCP Vegas

```
Start at: 2018-02-03 00:27:48
End at: 2018-02-03 00:28:18
Local clock offset: -2.436 ms
Remote clock offset: -18.712 ms

# Below is generated by plot.py at 2018-02-03 05:50:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 54.210 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 54.16 Mbit/s
95th percentile per-packet one-way delay: 49.342 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 50.00 Mbit/s
95th percentile per-packet one-way delay: 54.424 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 29.28 Mbit/s
95th percentile per-packet one-way delay: 38.979 ms
Loss rate: 0.29%
```

Run 7: Report of TCP Vegas — Data Link

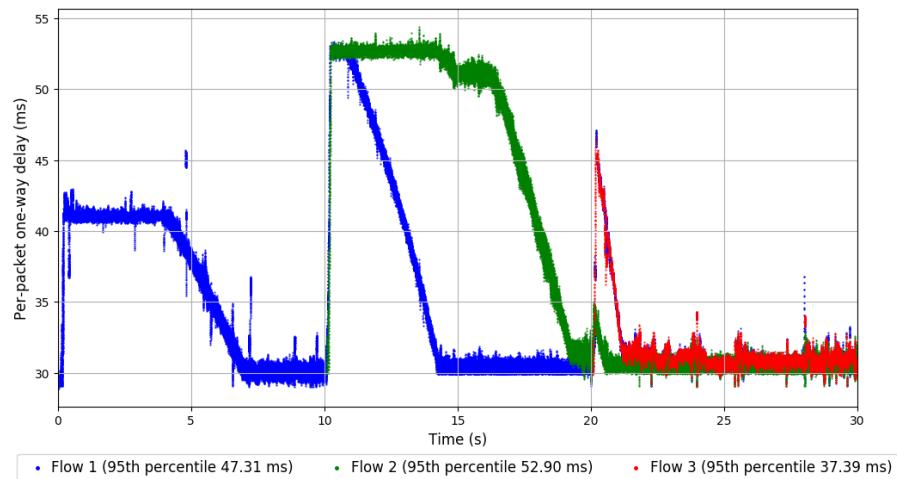
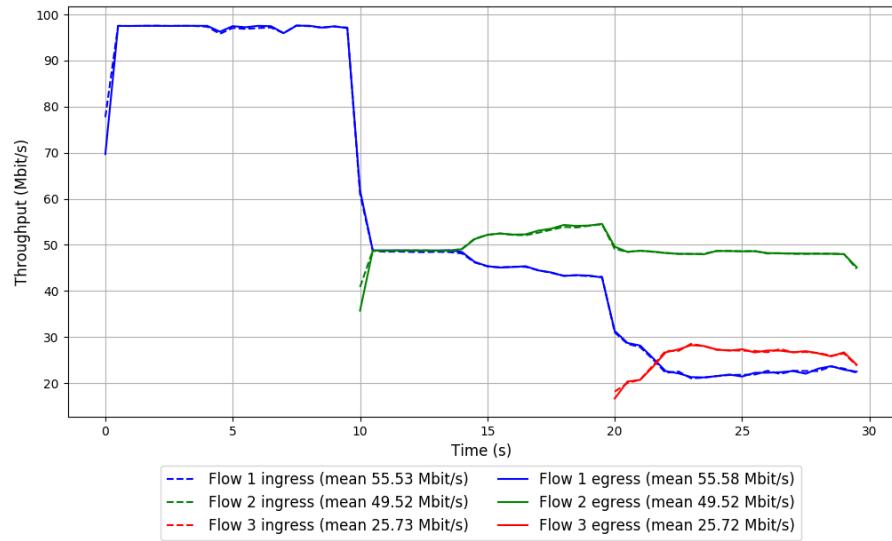


Run 8: Statistics of TCP Vegas

```
Start at: 2018-02-03 00:50:20
End at: 2018-02-03 00:50:50
Local clock offset: -3.503 ms
Remote clock offset: -16.069 ms

# Below is generated by plot.py at 2018-02-03 05:51:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.06 Mbit/s
95th percentile per-packet one-way delay: 52.711 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 55.58 Mbit/s
95th percentile per-packet one-way delay: 47.312 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 49.52 Mbit/s
95th percentile per-packet one-way delay: 52.900 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 25.72 Mbit/s
95th percentile per-packet one-way delay: 37.387 ms
Loss rate: 0.27%
```

Run 8: Report of TCP Vegas — Data Link

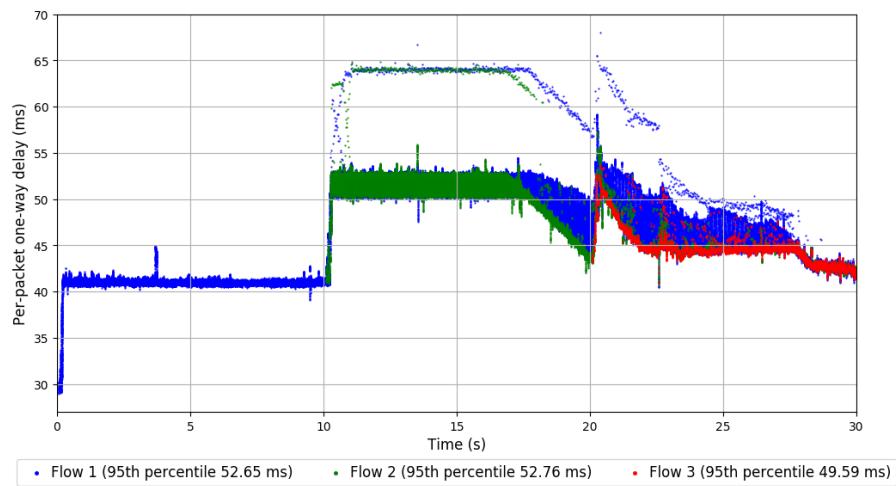
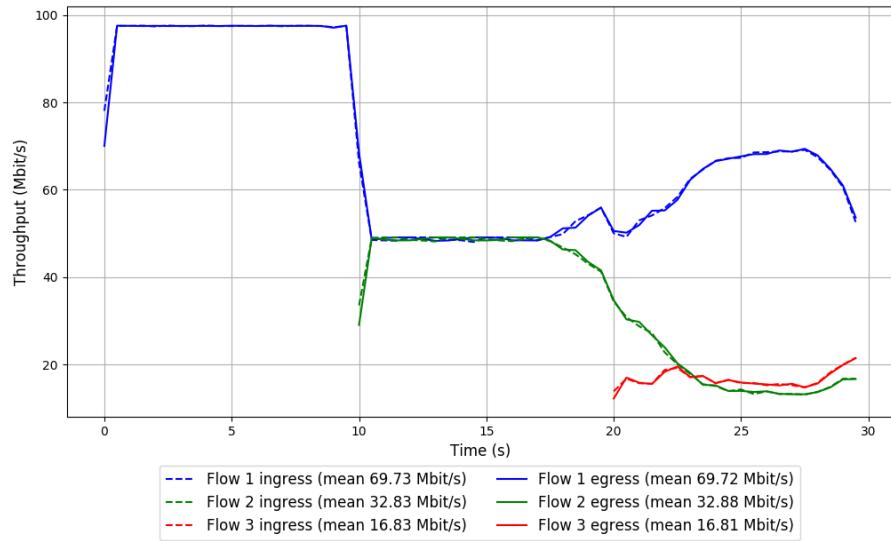


Run 9: Statistics of TCP Vegas

```
Start at: 2018-02-03 01:13:04
End at: 2018-02-03 01:13:34
Local clock offset: -4.64 ms
Remote clock offset: -19.34 ms

# Below is generated by plot.py at 2018-02-03 05:51:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 52.681 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 69.72 Mbit/s
95th percentile per-packet one-way delay: 52.647 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 32.88 Mbit/s
95th percentile per-packet one-way delay: 52.761 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 16.81 Mbit/s
95th percentile per-packet one-way delay: 49.590 ms
Loss rate: 0.53%
```

Run 9: Report of TCP Vegas — Data Link

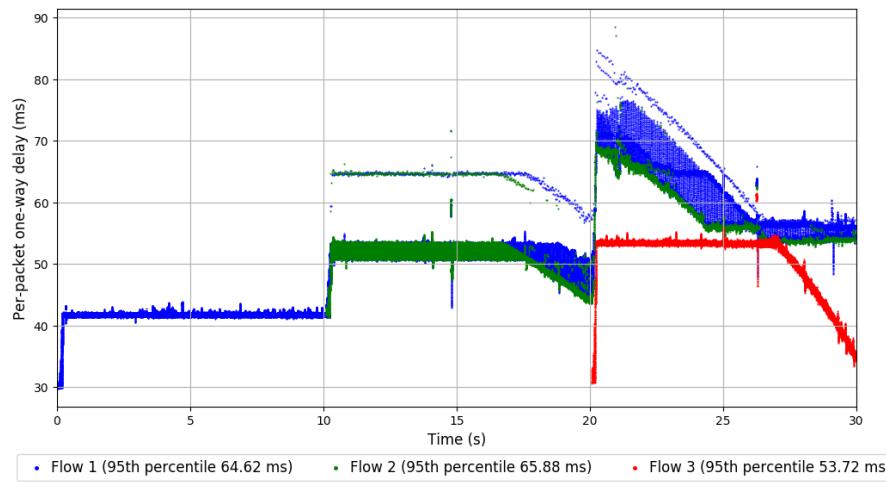
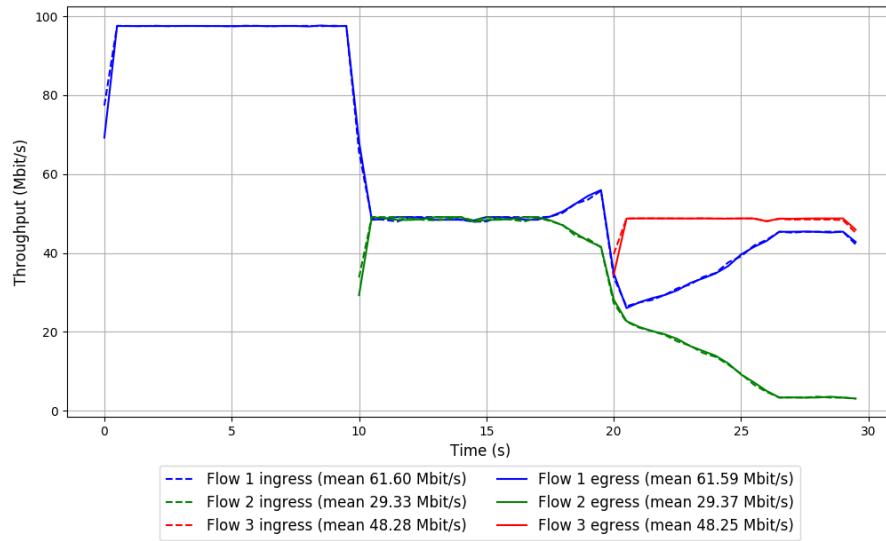


Run 10: Statistics of TCP Vegas

```
Start at: 2018-02-03 01:36:08
End at: 2018-02-03 01:36:38
Local clock offset: -2.022 ms
Remote clock offset: -18.728 ms

# Below is generated by plot.py at 2018-02-03 05:51:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 64.299 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 61.59 Mbit/s
95th percentile per-packet one-way delay: 64.622 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 29.37 Mbit/s
95th percentile per-packet one-way delay: 65.875 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 48.25 Mbit/s
95th percentile per-packet one-way delay: 53.717 ms
Loss rate: 0.30%
```

Run 10: Report of TCP Vegas — Data Link

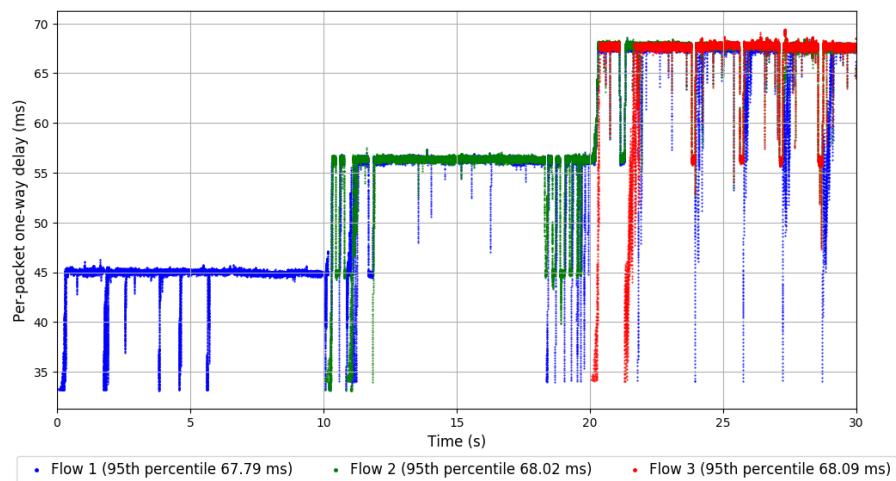
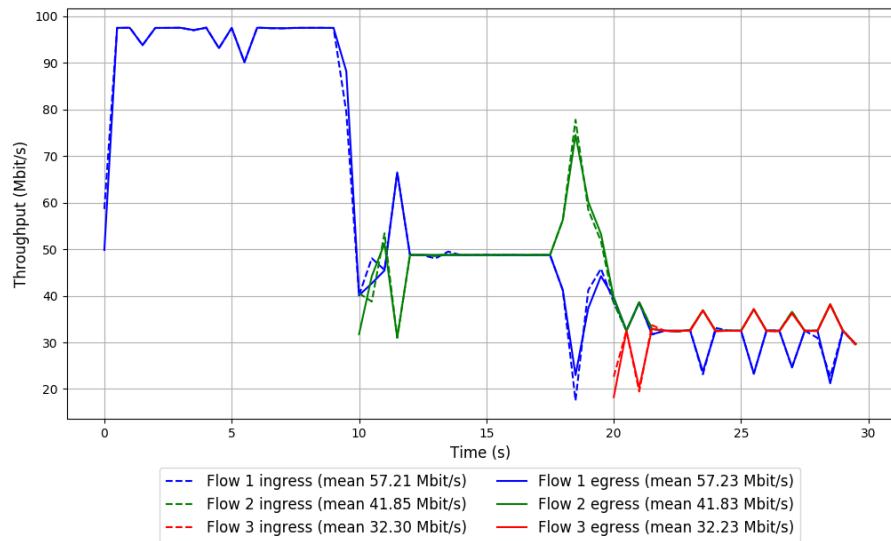


Run 1: Statistics of Verus

```
Start at: 2018-02-02 22:24:42
End at: 2018-02-02 22:25:12
Local clock offset: -4.135 ms
Remote clock offset: -23.023 ms

# Below is generated by plot.py at 2018-02-03 05:51:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.75 Mbit/s
95th percentile per-packet one-way delay: 67.946 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 57.23 Mbit/s
95th percentile per-packet one-way delay: 67.788 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 41.83 Mbit/s
95th percentile per-packet one-way delay: 68.015 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 32.23 Mbit/s
95th percentile per-packet one-way delay: 68.087 ms
Loss rate: 0.66%
```

Run 1: Report of Verus — Data Link

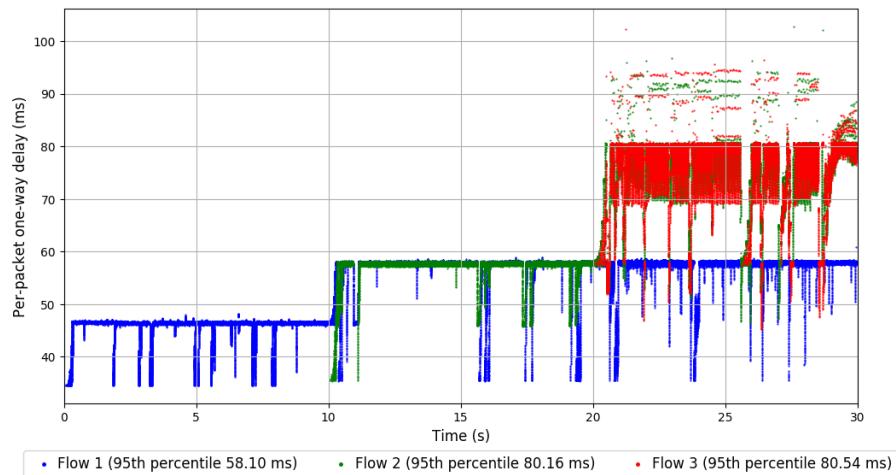
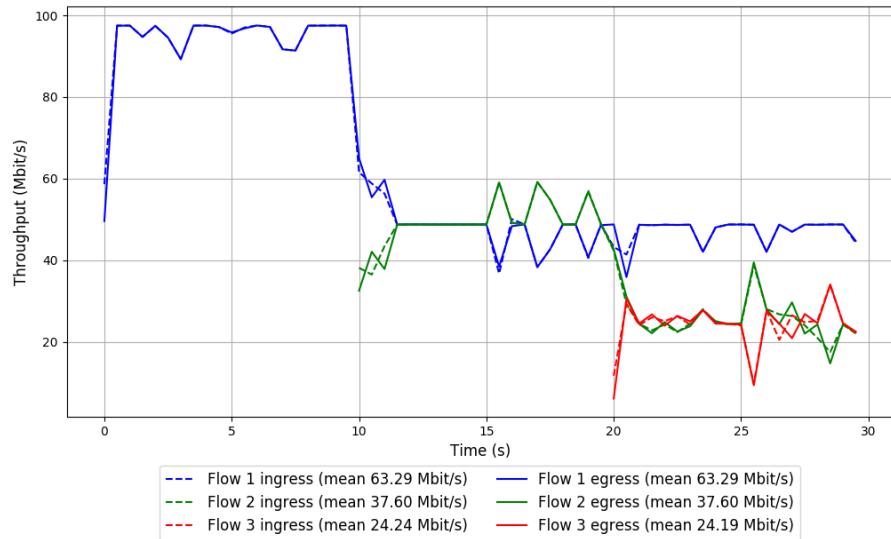


Run 2: Statistics of Verus

```
Start at: 2018-02-02 22:46:44
End at: 2018-02-02 22:47:14
Local clock offset: -2.834 ms
Remote clock offset: -23.474 ms

# Below is generated by plot.py at 2018-02-03 05:51:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.31 Mbit/s
95th percentile per-packet one-way delay: 79.207 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 63.29 Mbit/s
95th percentile per-packet one-way delay: 58.104 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 37.60 Mbit/s
95th percentile per-packet one-way delay: 80.160 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 24.19 Mbit/s
95th percentile per-packet one-way delay: 80.537 ms
Loss rate: 0.79%
```

Run 2: Report of Verus — Data Link

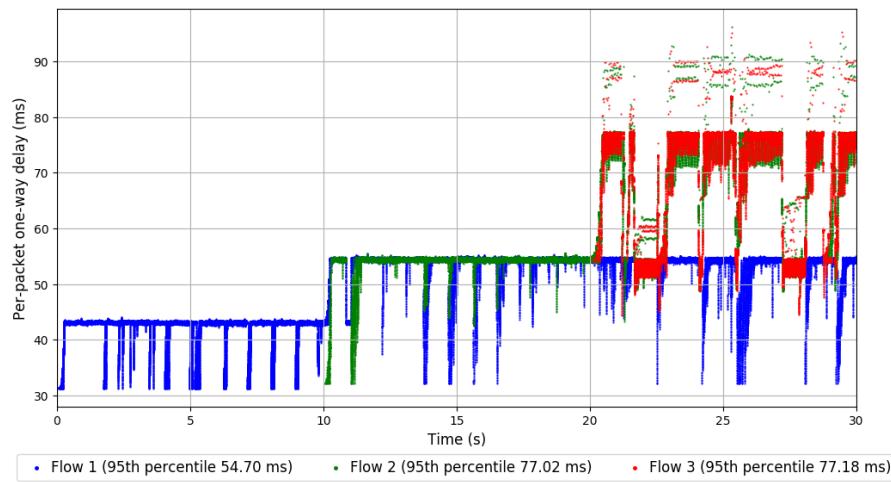
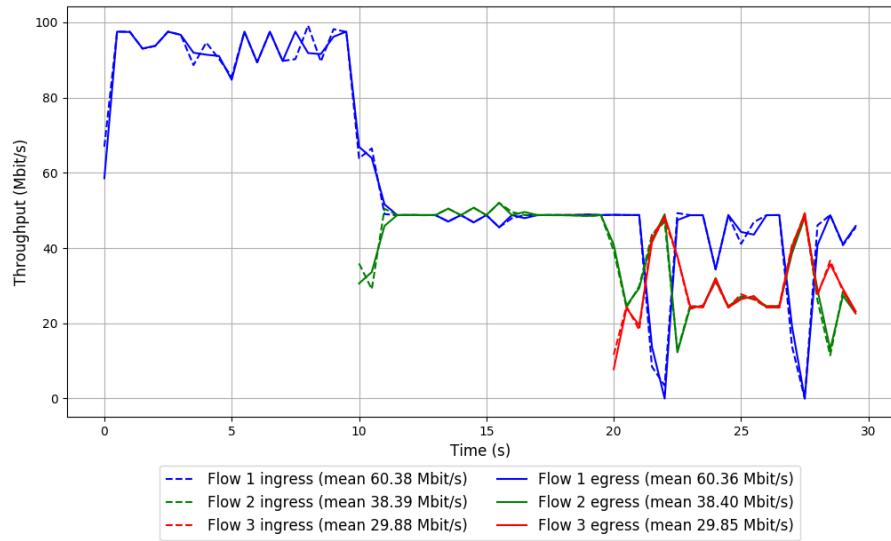


Run 3: Statistics of Verus

```
Start at: 2018-02-02 23:08:18
End at: 2018-02-02 23:08:48
Local clock offset: -0.986 ms
Remote clock offset: -22.8 ms

# Below is generated by plot.py at 2018-02-03 05:52:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.79 Mbit/s
95th percentile per-packet one-way delay: 76.782 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 60.36 Mbit/s
95th percentile per-packet one-way delay: 54.697 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 38.40 Mbit/s
95th percentile per-packet one-way delay: 77.021 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 29.85 Mbit/s
95th percentile per-packet one-way delay: 77.181 ms
Loss rate: 0.63%
```

Run 3: Report of Verus — Data Link

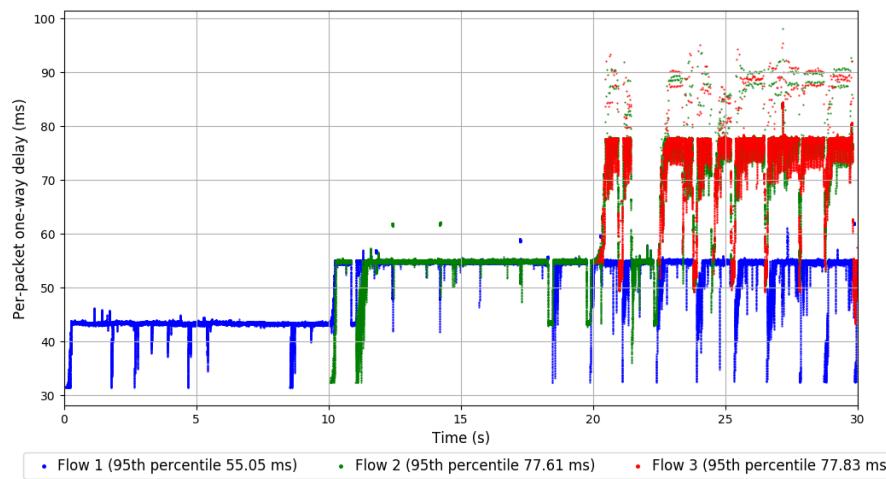
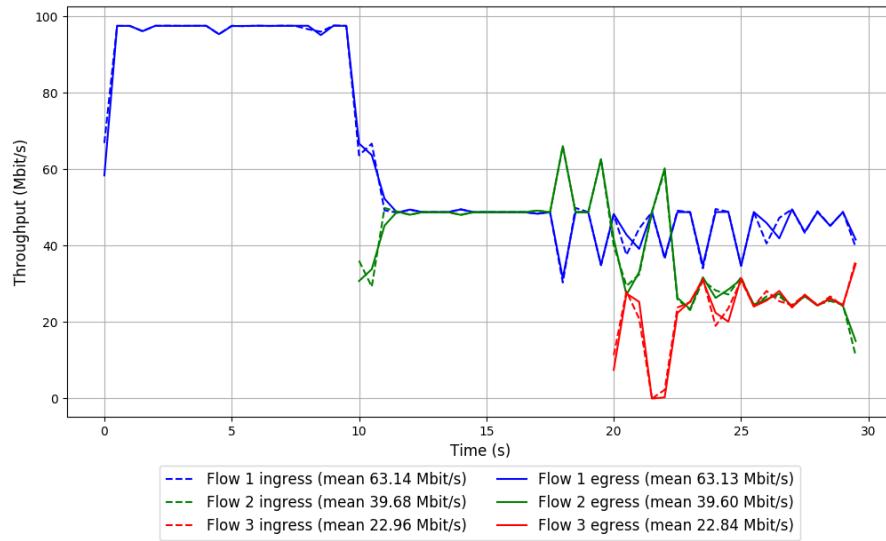


Run 4: Statistics of Verus

```
Start at: 2018-02-02 23:29:44
End at: 2018-02-02 23:30:14
Local clock offset: -2.631 ms
Remote clock offset: -19.285 ms

# Below is generated by plot.py at 2018-02-03 05:52:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.82 Mbit/s
95th percentile per-packet one-way delay: 77.369 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 63.13 Mbit/s
95th percentile per-packet one-way delay: 55.051 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 39.60 Mbit/s
95th percentile per-packet one-way delay: 77.610 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 22.84 Mbit/s
95th percentile per-packet one-way delay: 77.825 ms
Loss rate: 1.02%
```

Run 4: Report of Verus — Data Link

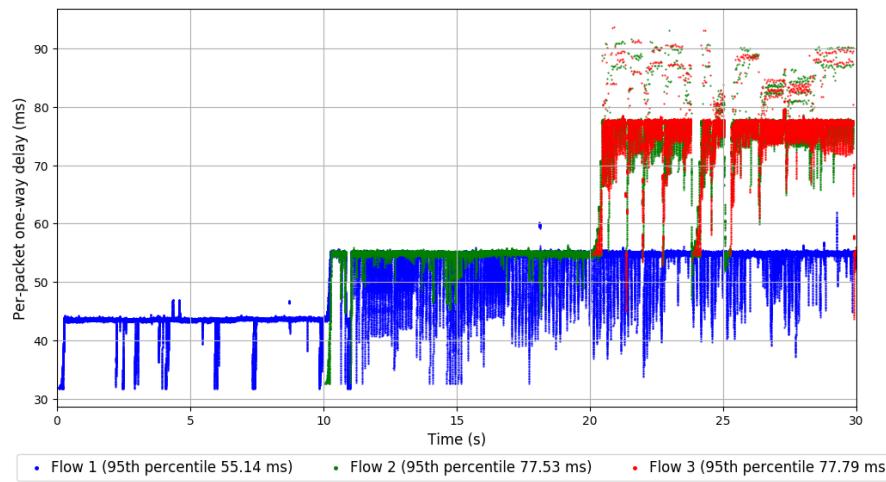
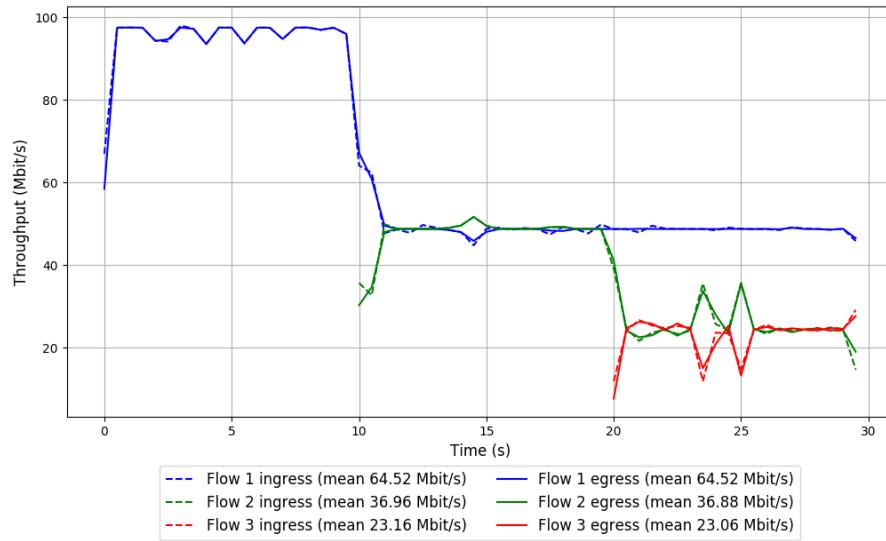


Run 5: Statistics of Verus

```
Start at: 2018-02-02 23:51:14
End at: 2018-02-02 23:51:44
Local clock offset: -2.967 ms
Remote clock offset: -16.72 ms

# Below is generated by plot.py at 2018-02-03 05:52:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.58 Mbit/s
95th percentile per-packet one-way delay: 77.347 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 64.52 Mbit/s
95th percentile per-packet one-way delay: 55.143 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 36.88 Mbit/s
95th percentile per-packet one-way delay: 77.534 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.06 Mbit/s
95th percentile per-packet one-way delay: 77.791 ms
Loss rate: 1.01%
```

Run 5: Report of Verus — Data Link

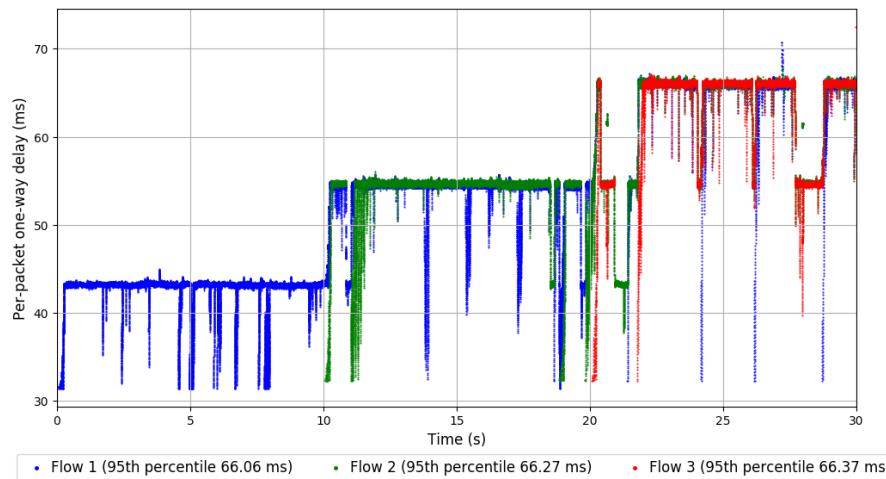
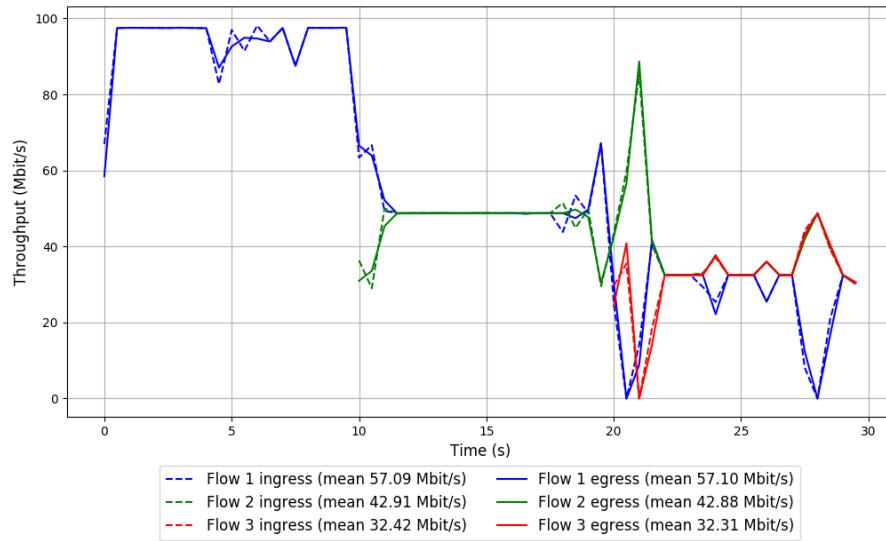


Run 6: Statistics of Verus

```
Start at: 2018-02-03 00:12:48
End at: 2018-02-03 00:13:18
Local clock offset: -2.546 ms
Remote clock offset: -18.493 ms

# Below is generated by plot.py at 2018-02-03 05:52:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.34 Mbit/s
95th percentile per-packet one-way delay: 66.257 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 57.10 Mbit/s
95th percentile per-packet one-way delay: 66.064 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 42.88 Mbit/s
95th percentile per-packet one-way delay: 66.273 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 32.31 Mbit/s
95th percentile per-packet one-way delay: 66.366 ms
Loss rate: 0.60%
```

Run 6: Report of Verus — Data Link

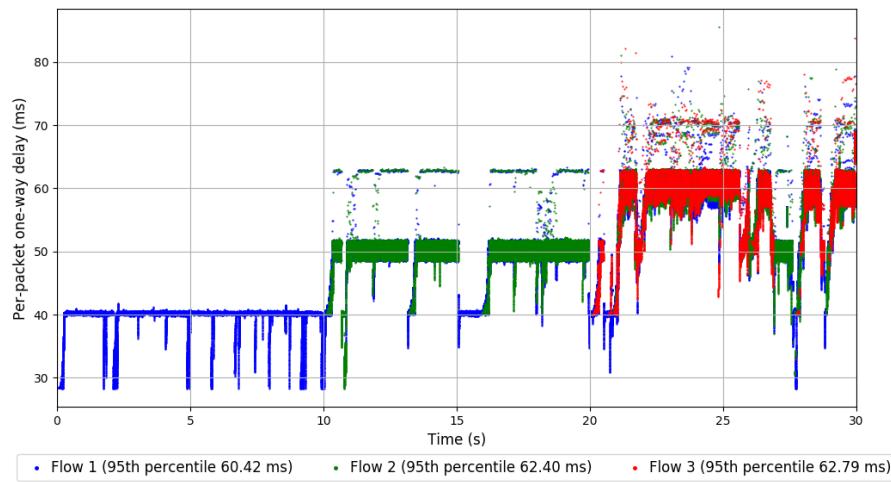
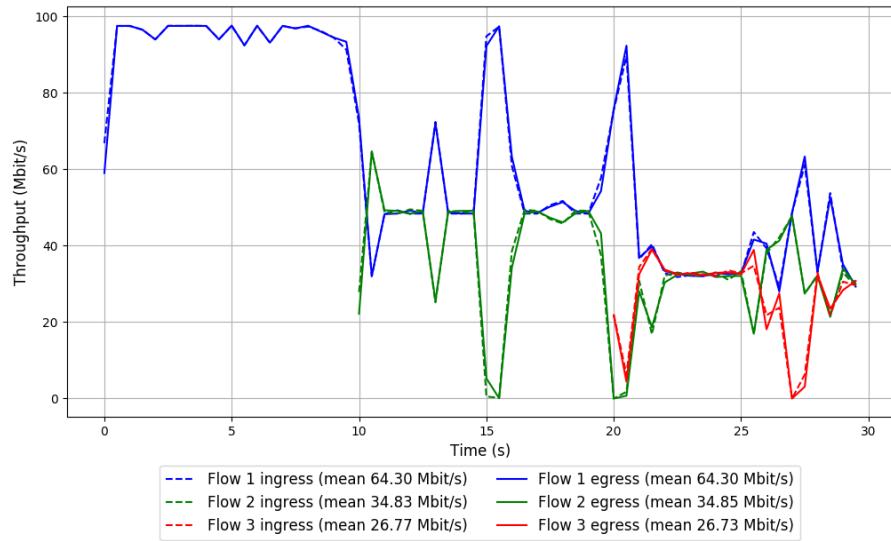


Run 7: Statistics of Verus

```
Start at: 2018-02-03 00:34:57
End at: 2018-02-03 00:35:27
Local clock offset: -3.762 ms
Remote clock offset: -17.877 ms

# Below is generated by plot.py at 2018-02-03 05:52:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.33 Mbit/s
95th percentile per-packet one-way delay: 61.894 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 64.30 Mbit/s
95th percentile per-packet one-way delay: 60.419 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 34.85 Mbit/s
95th percentile per-packet one-way delay: 62.401 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 26.73 Mbit/s
95th percentile per-packet one-way delay: 62.787 ms
Loss rate: 0.61%
```

Run 7: Report of Verus — Data Link

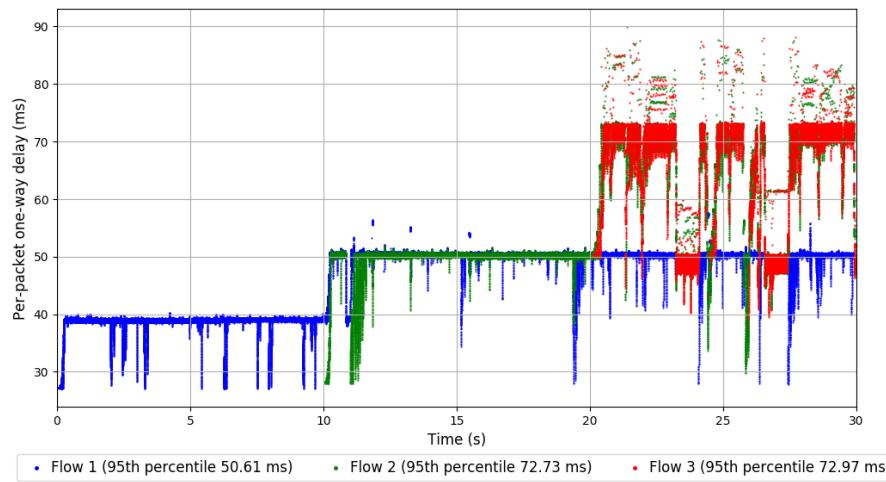
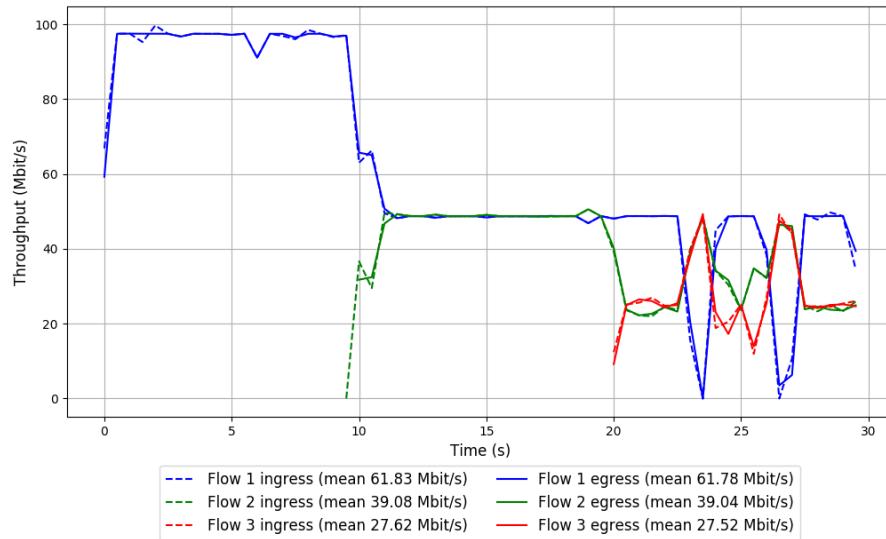


Run 8: Statistics of Verus

```
Start at: 2018-02-03 00:57:40
End at: 2018-02-03 00:58:10
Local clock offset: -6.026 ms
Remote clock offset: -16.466 ms

# Below is generated by plot.py at 2018-02-03 05:53:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.78 Mbit/s
95th percentile per-packet one-way delay: 72.096 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 61.78 Mbit/s
95th percentile per-packet one-way delay: 50.607 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.04 Mbit/s
95th percentile per-packet one-way delay: 72.728 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 27.52 Mbit/s
95th percentile per-packet one-way delay: 72.970 ms
Loss rate: 0.90%
```

Run 8: Report of Verus — Data Link

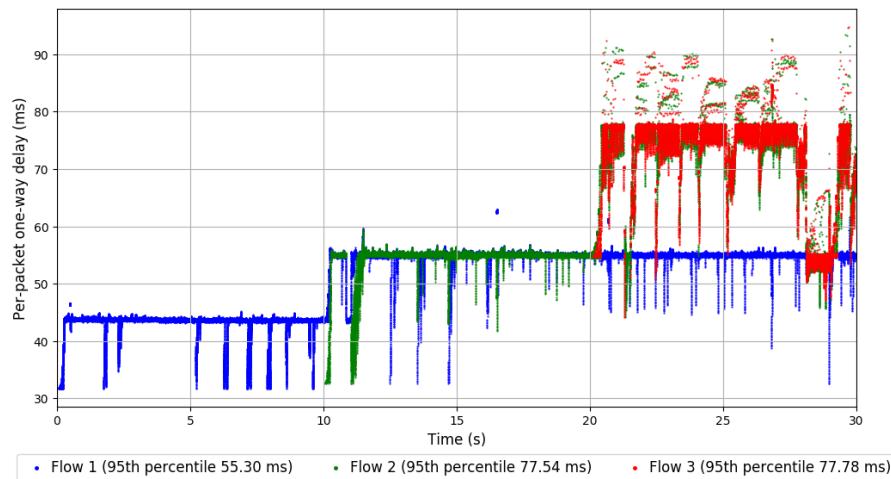
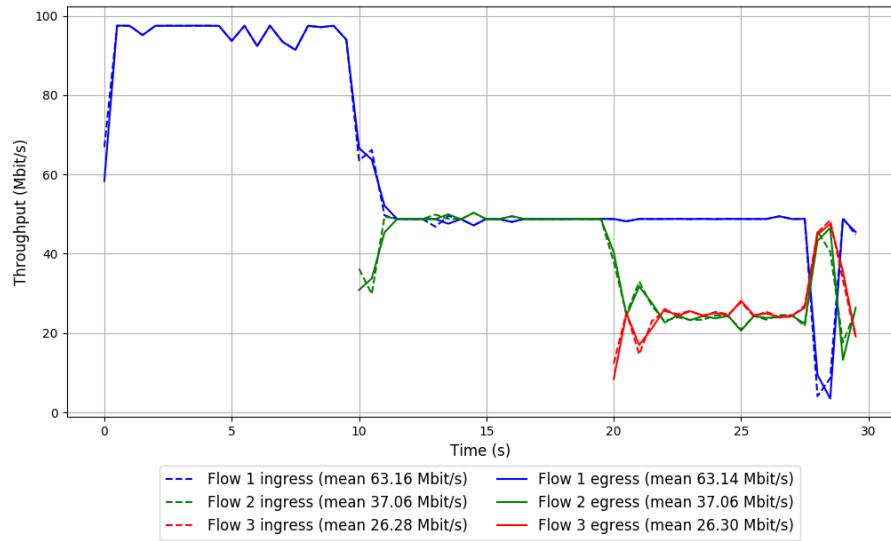


Run 9: Statistics of Verus

```
Start at: 2018-02-03 01:20:36
End at: 2018-02-03 01:21:06
Local clock offset: -1.717 ms
Remote clock offset: -20.237 ms

# Below is generated by plot.py at 2018-02-03 05:53:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.51 Mbit/s
95th percentile per-packet one-way delay: 77.290 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 63.14 Mbit/s
95th percentile per-packet one-way delay: 55.302 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 37.06 Mbit/s
95th percentile per-packet one-way delay: 77.541 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 26.30 Mbit/s
95th percentile per-packet one-way delay: 77.783 ms
Loss rate: 0.54%
```

Run 9: Report of Verus — Data Link

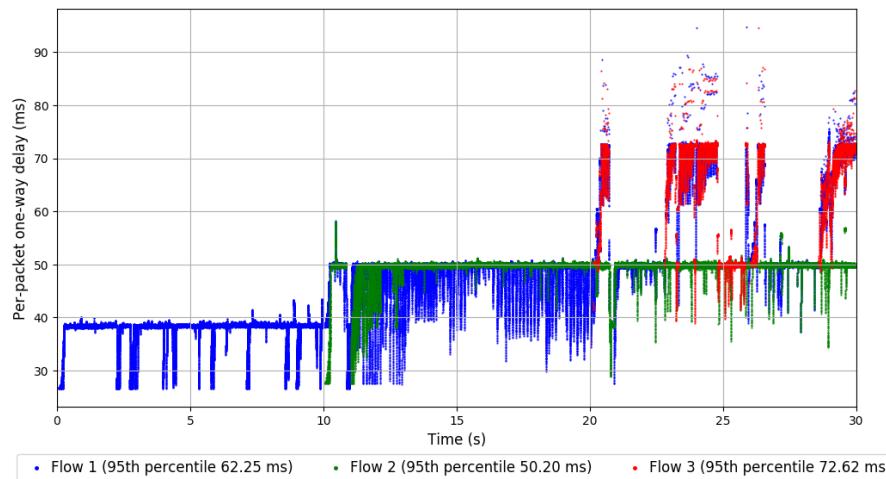
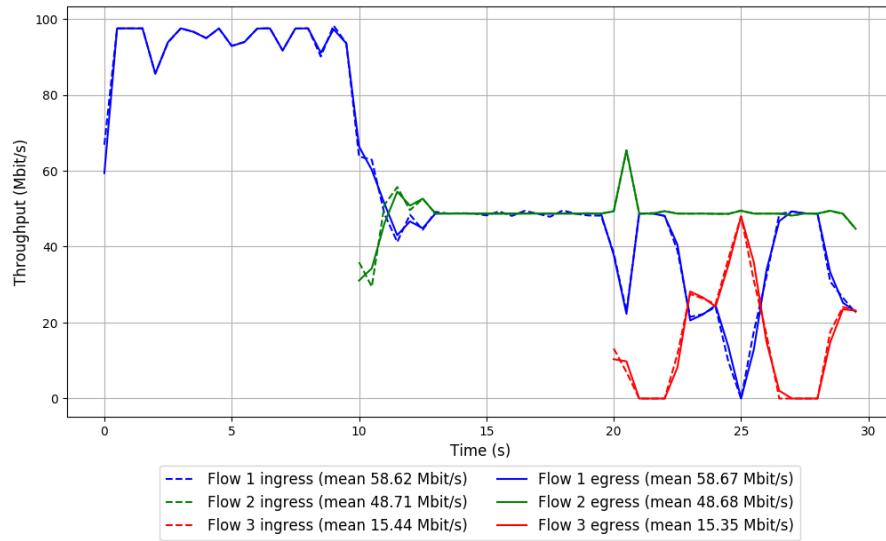


Run 10: Statistics of Verus

```
Start at: 2018-02-03 01:43:36
End at: 2018-02-03 01:44:06
Local clock offset: -5.403 ms
Remote clock offset: -18.713 ms

# Below is generated by plot.py at 2018-02-03 05:53:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.15 Mbit/s
95th percentile per-packet one-way delay: 66.058 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 58.67 Mbit/s
95th percentile per-packet one-way delay: 62.246 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 48.68 Mbit/s
95th percentile per-packet one-way delay: 50.202 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 15.35 Mbit/s
95th percentile per-packet one-way delay: 72.624 ms
Loss rate: 1.08%
```

Run 10: Report of Verus — Data Link

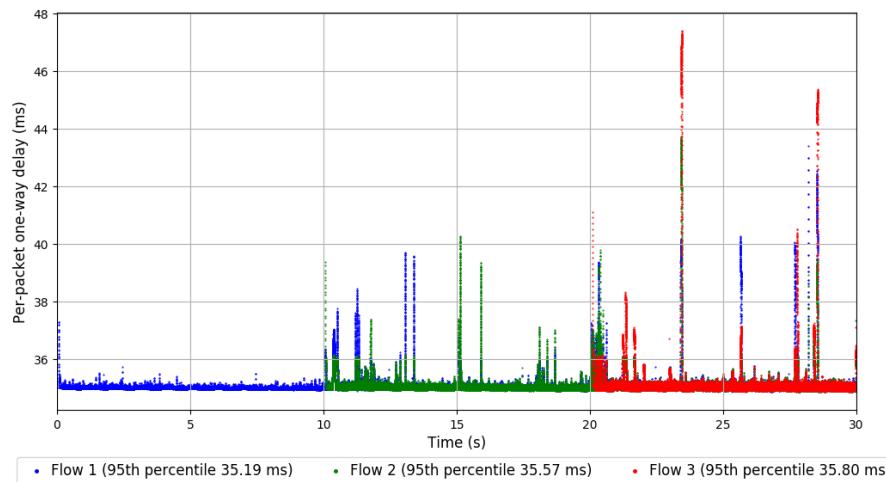
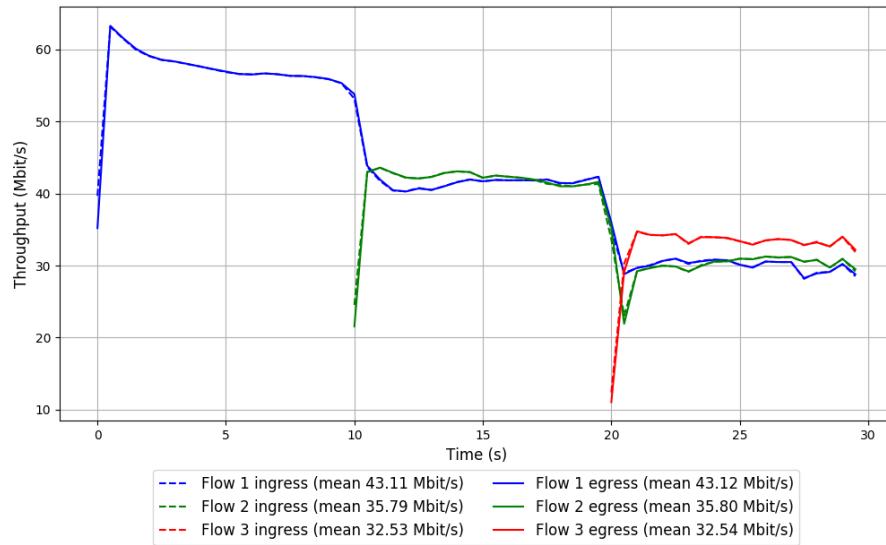


Run 1: Statistics of Copa

```
Start at: 2018-02-02 22:25:57
End at: 2018-02-02 22:26:27
Local clock offset: -4.732 ms
Remote clock offset: -25.725 ms

# Below is generated by plot.py at 2018-02-03 05:54:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.71 Mbit/s
95th percentile per-packet one-way delay: 35.339 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 43.12 Mbit/s
95th percentile per-packet one-way delay: 35.192 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 35.80 Mbit/s
95th percentile per-packet one-way delay: 35.573 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 32.54 Mbit/s
95th percentile per-packet one-way delay: 35.804 ms
Loss rate: 0.32%
```

Run 1: Report of Copa — Data Link

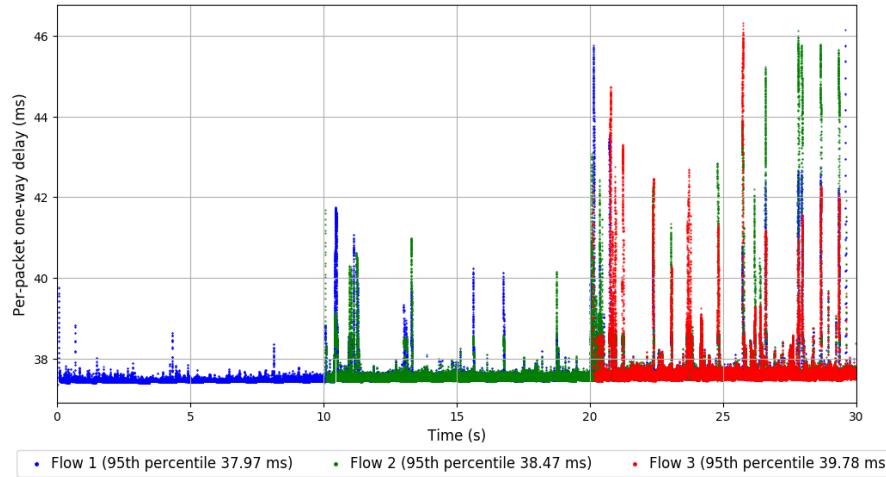
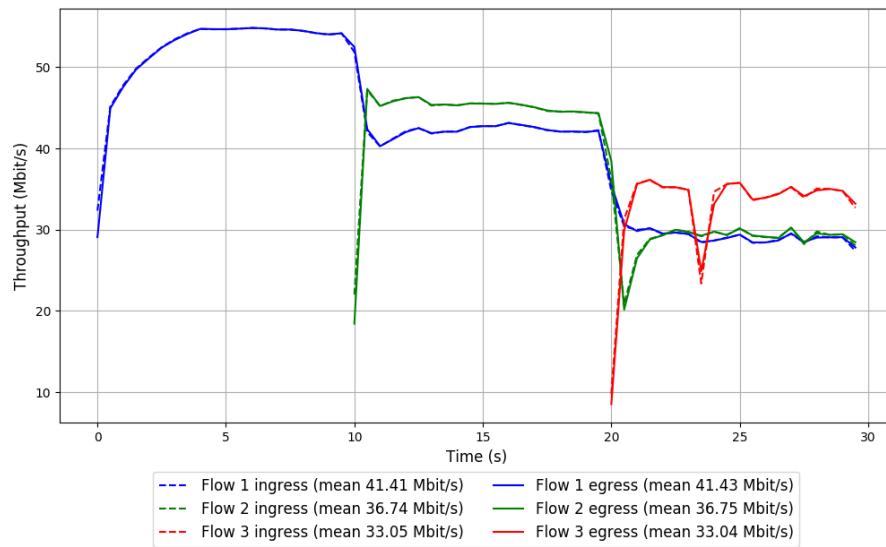


Run 2: Statistics of Copa

```
Start at: 2018-02-02 22:47:57
End at: 2018-02-02 22:48:27
Local clock offset: -1.895 ms
Remote clock offset: -25.301 ms

# Below is generated by plot.py at 2018-02-03 05:54:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.83 Mbit/s
95th percentile per-packet one-way delay: 38.419 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 41.43 Mbit/s
95th percentile per-packet one-way delay: 37.968 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 36.75 Mbit/s
95th percentile per-packet one-way delay: 38.471 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 33.04 Mbit/s
95th percentile per-packet one-way delay: 39.776 ms
Loss rate: 0.32%
```

Run 2: Report of Copa — Data Link

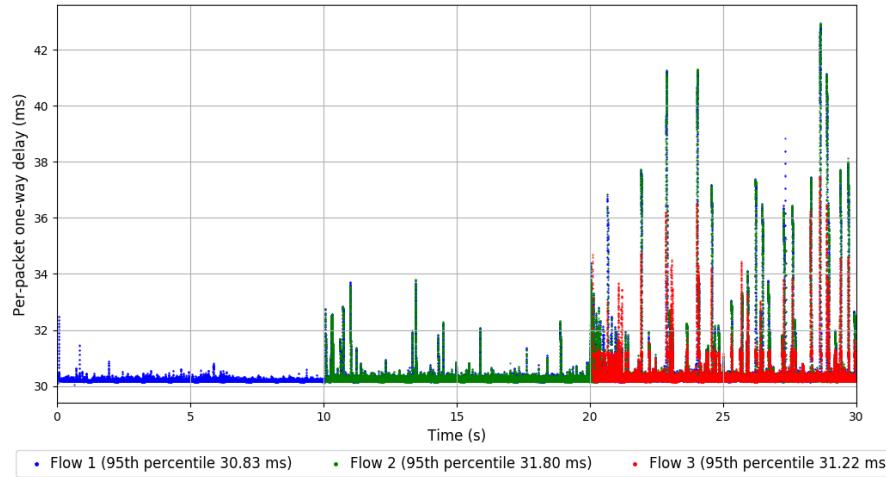
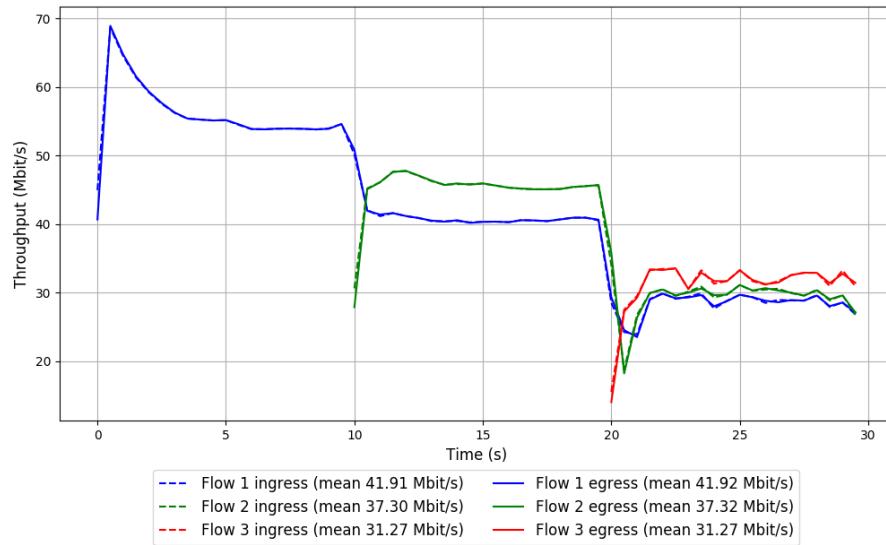


Run 3: Statistics of Copa

```
Start at: 2018-02-02 23:09:31
End at: 2018-02-02 23:10:01
Local clock offset: -1.232 ms
Remote clock offset: -22.005 ms

# Below is generated by plot.py at 2018-02-03 05:54:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.12 Mbit/s
95th percentile per-packet one-way delay: 31.231 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 41.92 Mbit/s
95th percentile per-packet one-way delay: 30.830 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 37.32 Mbit/s
95th percentile per-packet one-way delay: 31.805 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 31.27 Mbit/s
95th percentile per-packet one-way delay: 31.217 ms
Loss rate: 0.25%
```

Run 3: Report of Copa — Data Link

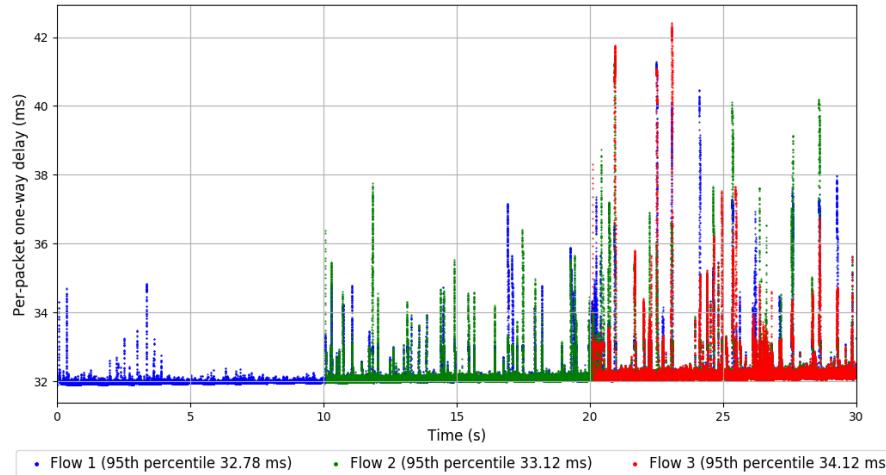
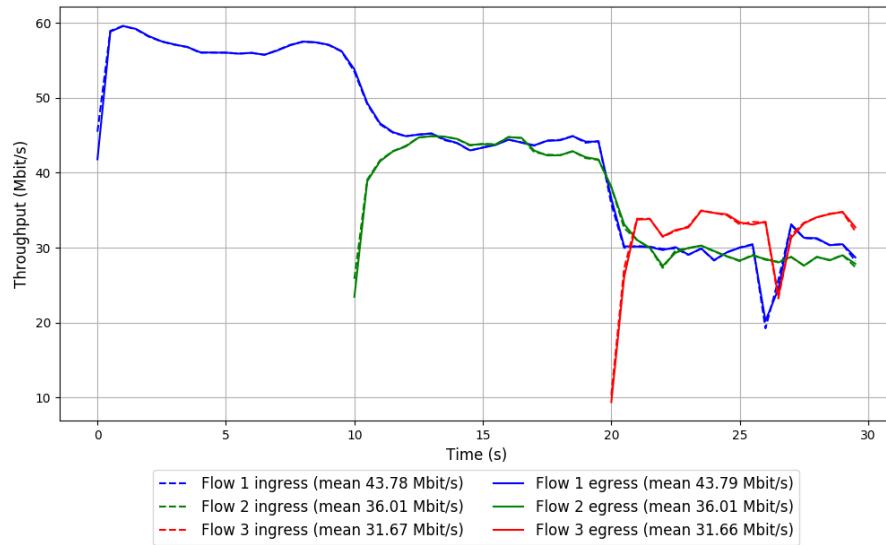


Run 4: Statistics of Copa

```
Start at: 2018-02-02 23:30:58
End at: 2018-02-02 23:31:28
Local clock offset: -1.913 ms
Remote clock offset: -18.612 ms

# Below is generated by plot.py at 2018-02-03 05:54:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.25 Mbit/s
95th percentile per-packet one-way delay: 33.035 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 43.79 Mbit/s
95th percentile per-packet one-way delay: 32.777 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 36.01 Mbit/s
95th percentile per-packet one-way delay: 33.120 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 31.66 Mbit/s
95th percentile per-packet one-way delay: 34.117 ms
Loss rate: 0.27%
```

Run 4: Report of Copa — Data Link

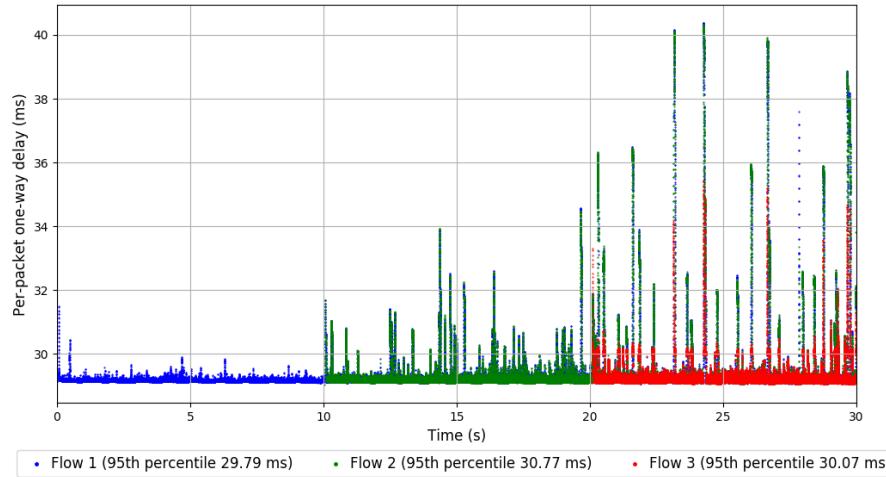
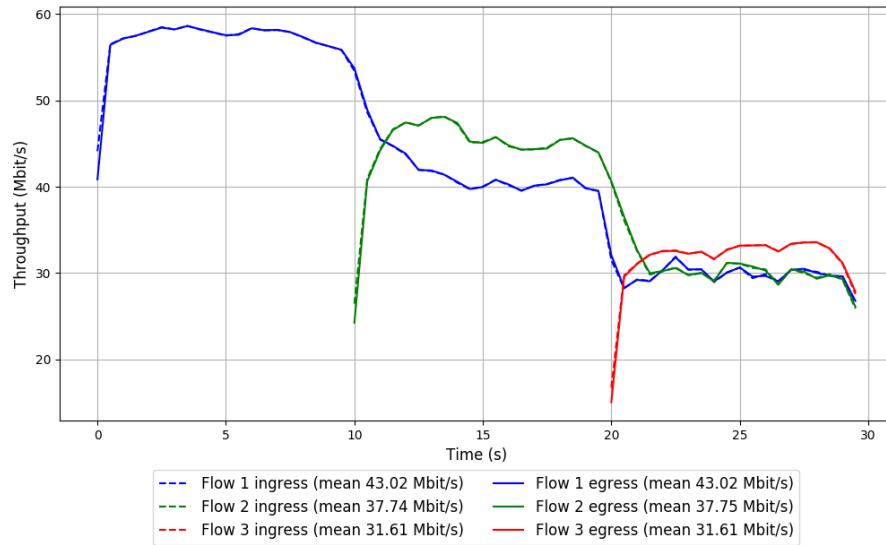


Run 5: Statistics of Copa

```
Start at: 2018-02-02 23:52:27
End at: 2018-02-02 23:52:57
Local clock offset: -6.945 ms
Remote clock offset: -18.272 ms

# Below is generated by plot.py at 2018-02-03 05:54:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.60 Mbit/s
95th percentile per-packet one-way delay: 30.100 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 43.02 Mbit/s
95th percentile per-packet one-way delay: 29.790 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 37.75 Mbit/s
95th percentile per-packet one-way delay: 30.765 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 31.61 Mbit/s
95th percentile per-packet one-way delay: 30.073 ms
Loss rate: 0.24%
```

Run 5: Report of Copa — Data Link

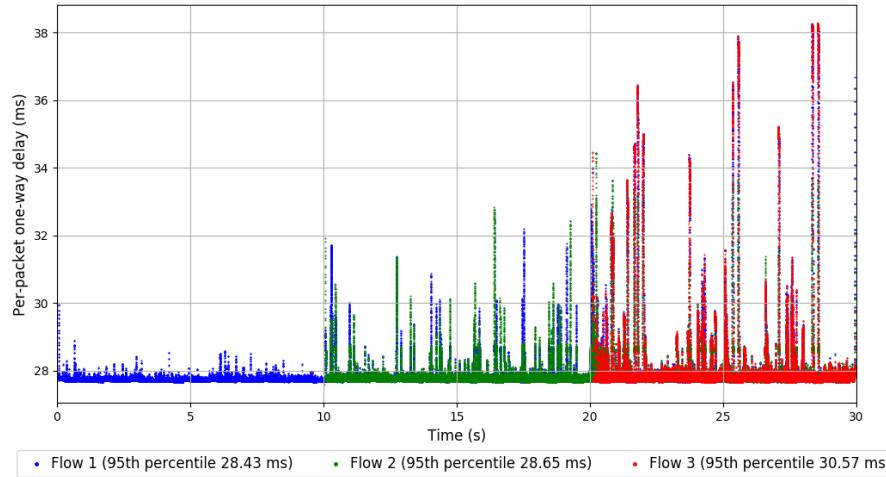
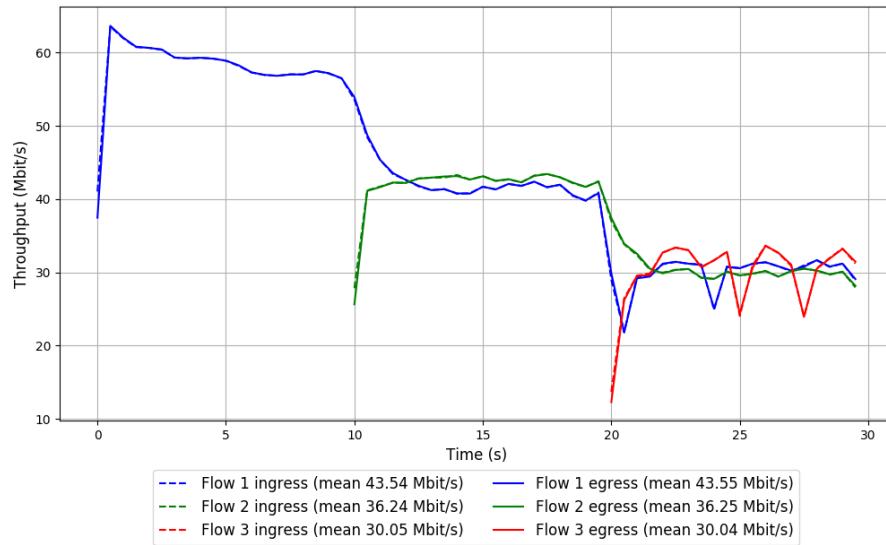


Run 6: Statistics of Copa

```
Start at: 2018-02-03 00:14:02
End at: 2018-02-03 00:14:32
Local clock offset: -5.853 ms
Remote clock offset: -18.192 ms

# Below is generated by plot.py at 2018-02-03 05:55:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.63 Mbit/s
95th percentile per-packet one-way delay: 28.678 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 43.55 Mbit/s
95th percentile per-packet one-way delay: 28.435 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 36.25 Mbit/s
95th percentile per-packet one-way delay: 28.654 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 30.04 Mbit/s
95th percentile per-packet one-way delay: 30.565 ms
Loss rate: 0.27%
```

Run 6: Report of Copa — Data Link

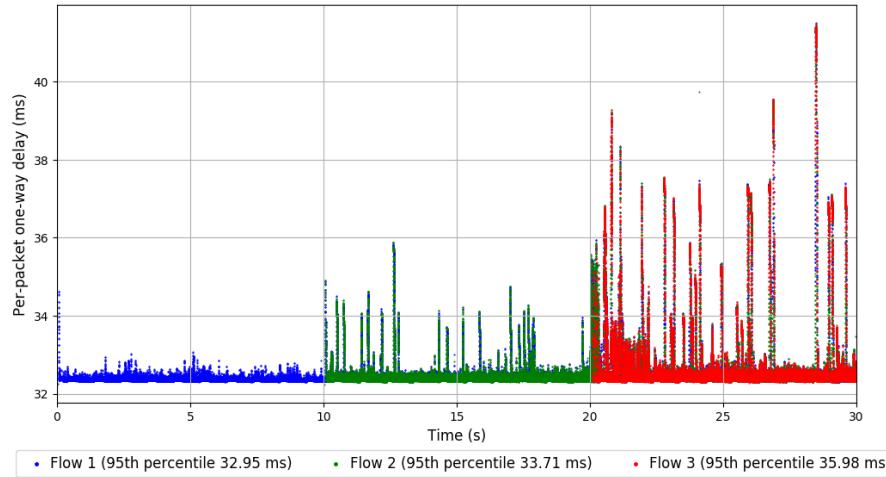
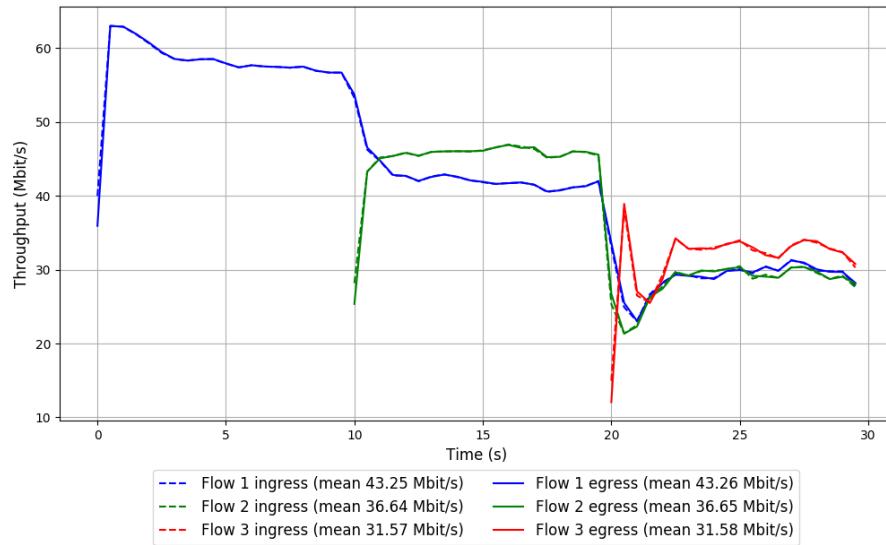


Run 7: Statistics of Copa

```
Start at: 2018-02-03 00:36:12
End at: 2018-02-03 00:36:42
Local clock offset: -0.207 ms
Remote clock offset: -18.419 ms

# Below is generated by plot.py at 2018-02-03 05:55:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.10 Mbit/s
95th percentile per-packet one-way delay: 33.611 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 43.26 Mbit/s
95th percentile per-packet one-way delay: 32.951 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 36.65 Mbit/s
95th percentile per-packet one-way delay: 33.712 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 31.58 Mbit/s
95th percentile per-packet one-way delay: 35.979 ms
Loss rate: 0.26%
```

Run 7: Report of Copa — Data Link

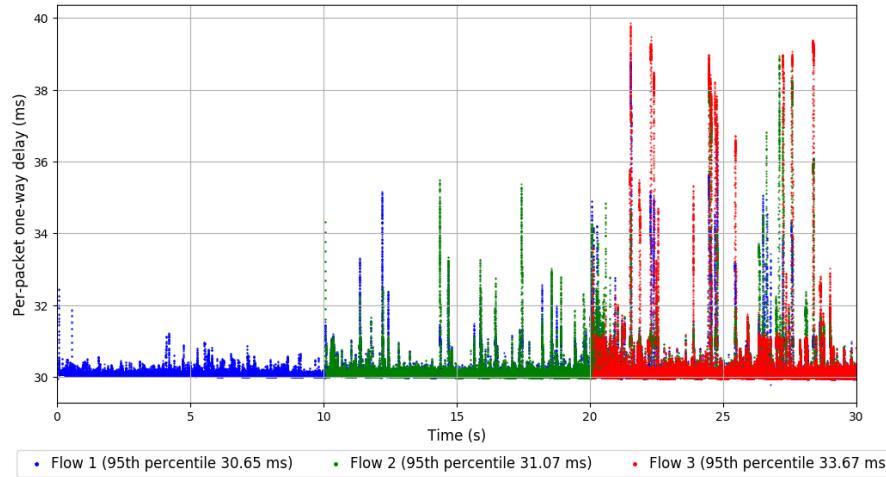
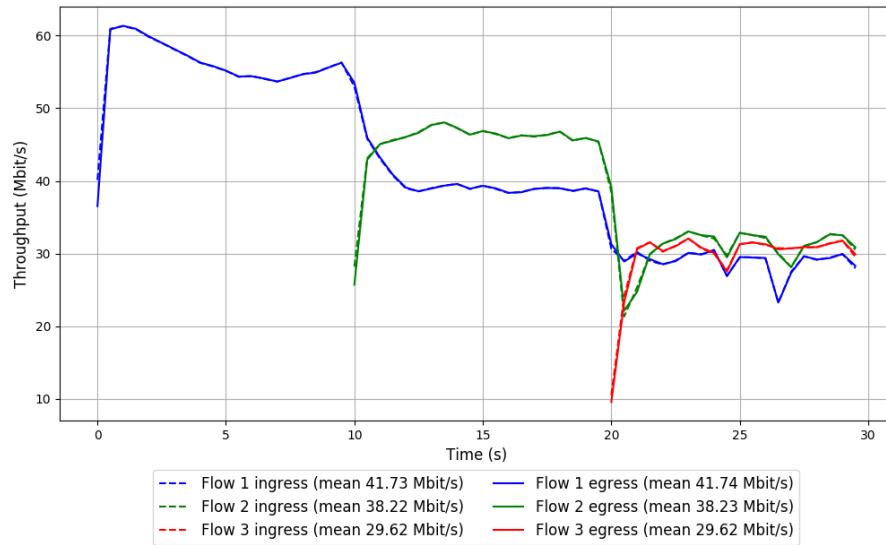


Run 8: Statistics of Copa

```
Start at: 2018-02-03 00:58:59
End at: 2018-02-03 00:59:29
Local clock offset: -4.83 ms
Remote clock offset: -18.527 ms

# Below is generated by plot.py at 2018-02-03 05:55:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.99 Mbit/s
95th percentile per-packet one-way delay: 30.957 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 41.74 Mbit/s
95th percentile per-packet one-way delay: 30.649 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 38.23 Mbit/s
95th percentile per-packet one-way delay: 31.074 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 29.62 Mbit/s
95th percentile per-packet one-way delay: 33.667 ms
Loss rate: 0.27%
```

Run 8: Report of Copa — Data Link

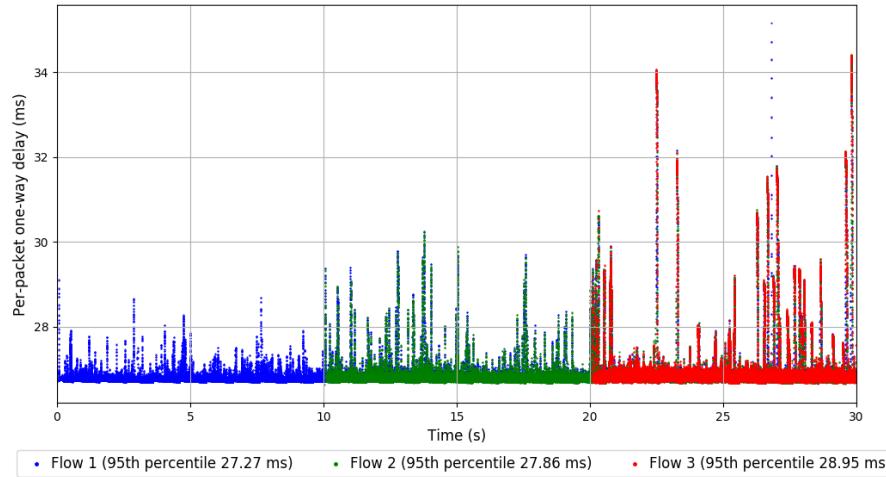
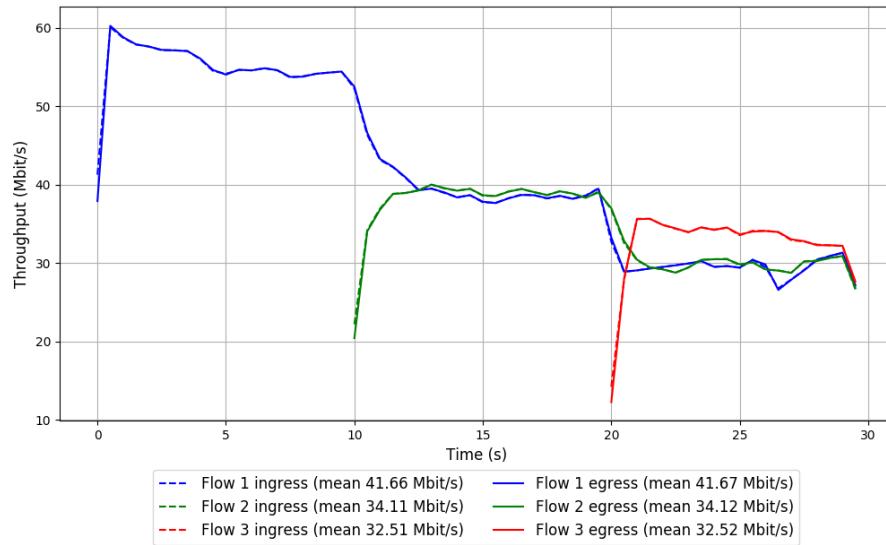


Run 9: Statistics of Copa

```
Start at: 2018-02-03 01:21:55
End at: 2018-02-03 01:22:25
Local clock offset: -4.094 ms
Remote clock offset: -17.731 ms

# Below is generated by plot.py at 2018-02-03 05:56:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.15 Mbit/s
95th percentile per-packet one-way delay: 27.672 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 41.67 Mbit/s
95th percentile per-packet one-way delay: 27.270 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 34.12 Mbit/s
95th percentile per-packet one-way delay: 27.858 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 32.52 Mbit/s
95th percentile per-packet one-way delay: 28.954 ms
Loss rate: 0.24%
```

Run 9: Report of Copa — Data Link

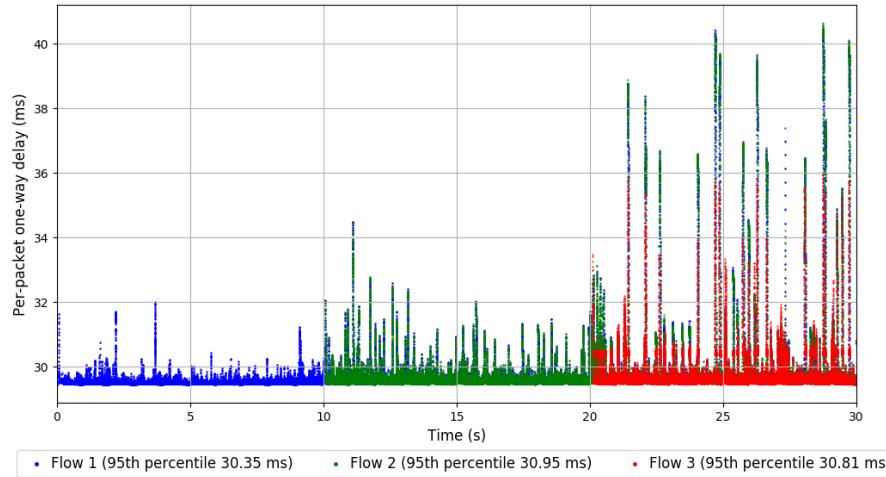
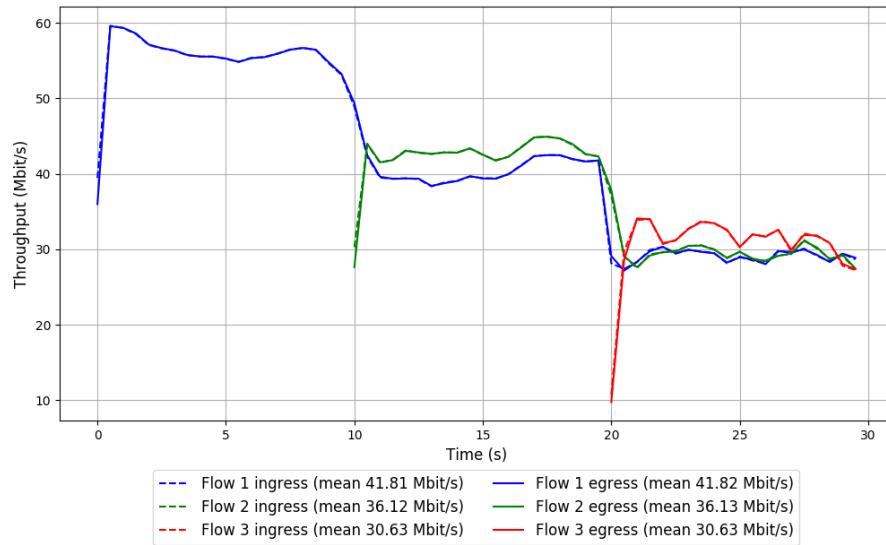


Run 10: Statistics of Copa

```
Start at: 2018-02-03 01:44:52
End at: 2018-02-03 01:45:22
Local clock offset: -3.798 ms
Remote clock offset: -19.964 ms

# Below is generated by plot.py at 2018-02-03 05:56:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.01 Mbit/s
95th percentile per-packet one-way delay: 30.648 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 41.82 Mbit/s
95th percentile per-packet one-way delay: 30.353 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 36.13 Mbit/s
95th percentile per-packet one-way delay: 30.953 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 30.63 Mbit/s
95th percentile per-packet one-way delay: 30.806 ms
Loss rate: 0.25%
```

Run 10: Report of Copa — Data Link

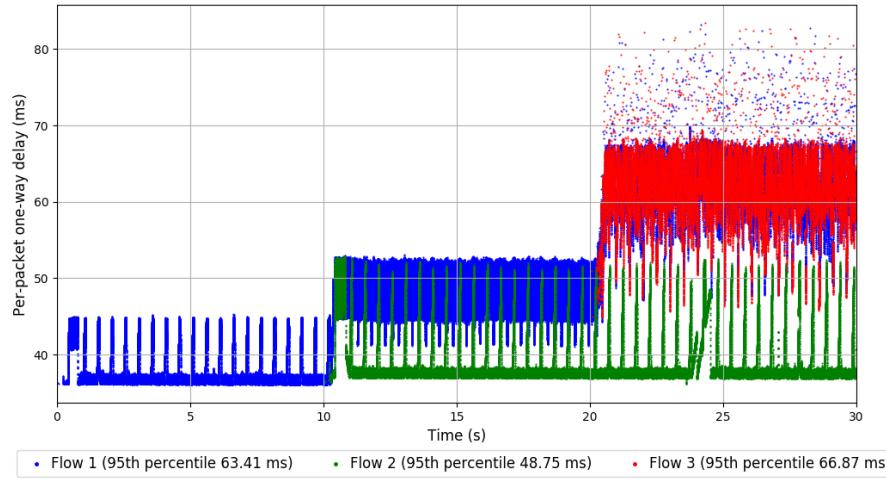
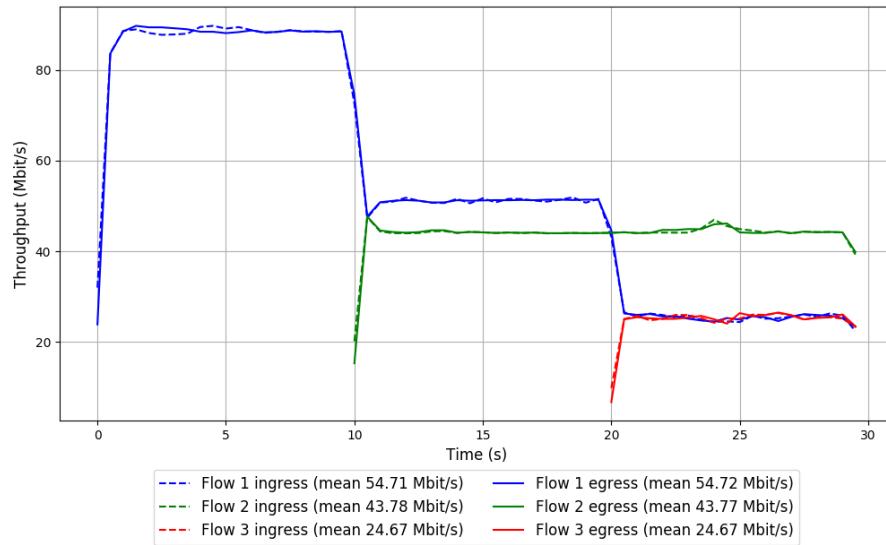


```
Run 1: Statistics of FillP

Start at: 2018-02-02 22:07:51
End at: 2018-02-02 22:08:21
Local clock offset: -2.818 ms
Remote clock offset: -21.435 ms

# Below is generated by plot.py at 2018-02-03 05:56:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.99 Mbit/s
95th percentile per-packet one-way delay: 63.945 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 54.72 Mbit/s
95th percentile per-packet one-way delay: 63.414 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 43.77 Mbit/s
95th percentile per-packet one-way delay: 48.747 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 66.866 ms
Loss rate: 0.49%
```

Run 1: Report of FillP — Data Link

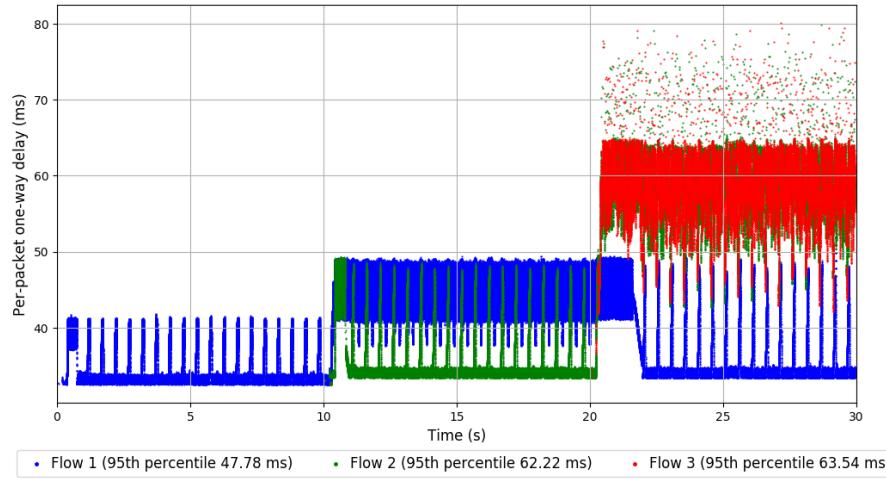
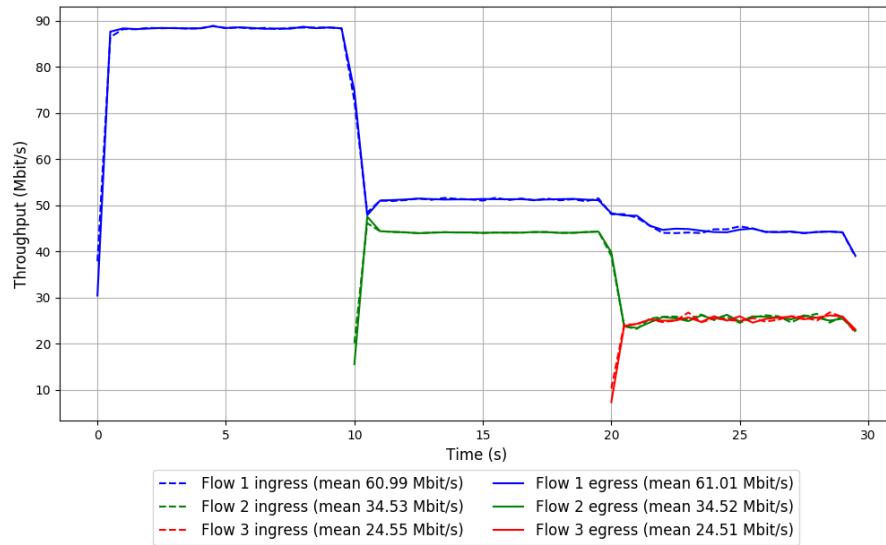


Run 2: Statistics of FillP

```
Start at: 2018-02-02 22:29:41
End at: 2018-02-02 22:30:11
Local clock offset: -4.391 ms
Remote clock offset: -23.783 ms

# Below is generated by plot.py at 2018-02-03 05:57:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.07 Mbit/s
95th percentile per-packet one-way delay: 60.534 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 61.01 Mbit/s
95th percentile per-packet one-way delay: 47.779 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 34.52 Mbit/s
95th percentile per-packet one-way delay: 62.215 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 24.51 Mbit/s
95th percentile per-packet one-way delay: 63.544 ms
Loss rate: 0.47%
```

Run 2: Report of FillP — Data Link

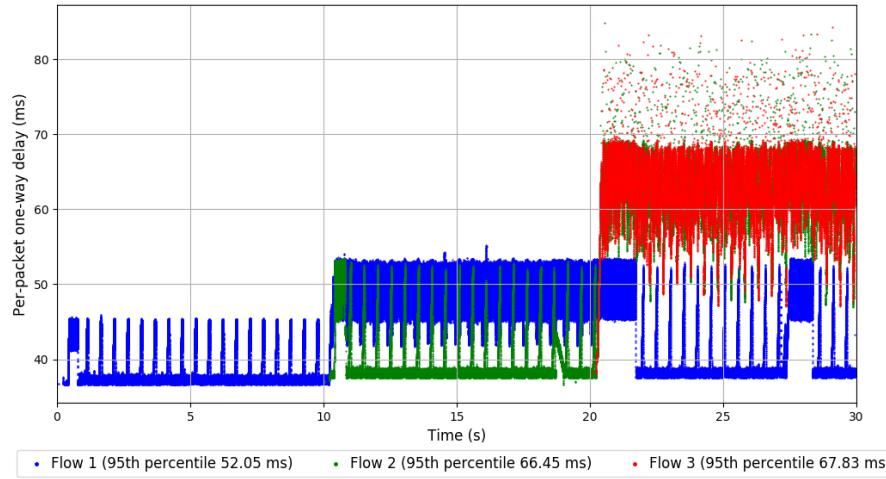
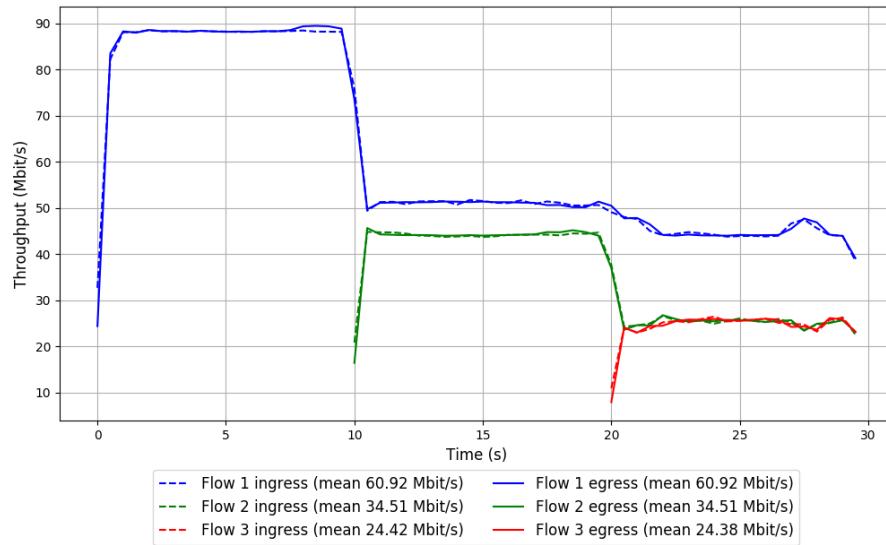


Run 3: Statistics of FillP

```
Start at: 2018-02-02 22:51:39
End at: 2018-02-02 22:52:09
Local clock offset: -2.152 ms
Remote clock offset: -24.571 ms

# Below is generated by plot.py at 2018-02-03 05:57:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.93 Mbit/s
95th percentile per-packet one-way delay: 64.789 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 60.92 Mbit/s
95th percentile per-packet one-way delay: 52.048 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 34.51 Mbit/s
95th percentile per-packet one-way delay: 66.452 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 67.835 ms
Loss rate: 0.61%
```

Run 3: Report of FillP — Data Link

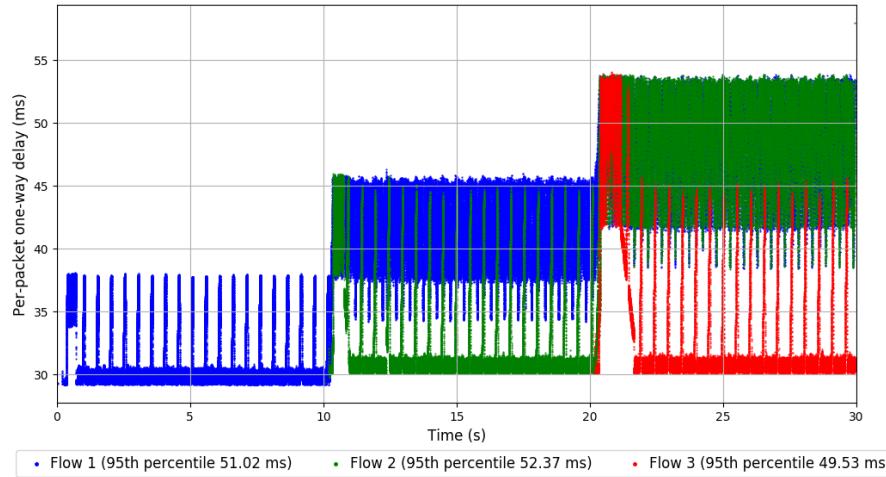
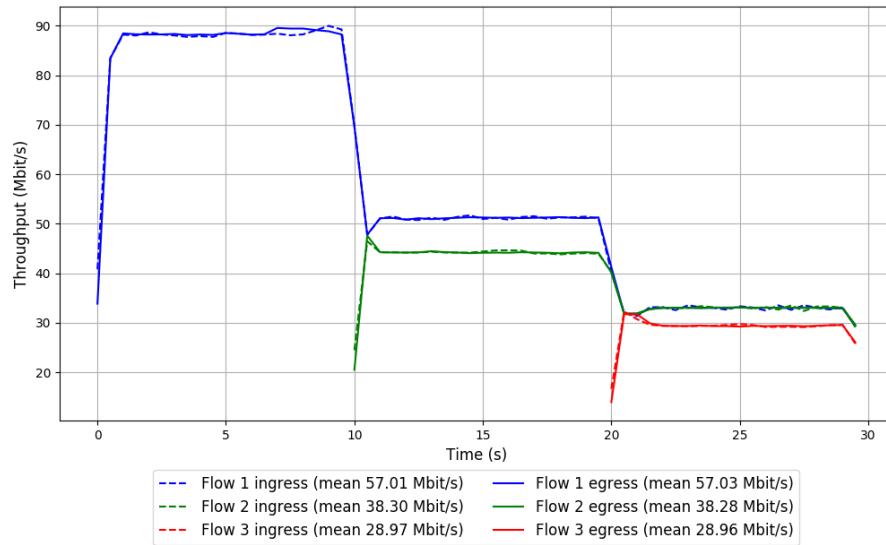


Run 4: Statistics of FillP

```
Start at: 2018-02-02 23:13:19
End at: 2018-02-02 23:13:49
Local clock offset: -4.293 ms
Remote clock offset: -24.277 ms

# Below is generated by plot.py at 2018-02-03 05:57:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.07 Mbit/s
95th percentile per-packet one-way delay: 51.593 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 57.03 Mbit/s
95th percentile per-packet one-way delay: 51.015 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 38.28 Mbit/s
95th percentile per-packet one-way delay: 52.374 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 28.96 Mbit/s
95th percentile per-packet one-way delay: 49.535 ms
Loss rate: 0.29%
```

Run 4: Report of FillP — Data Link

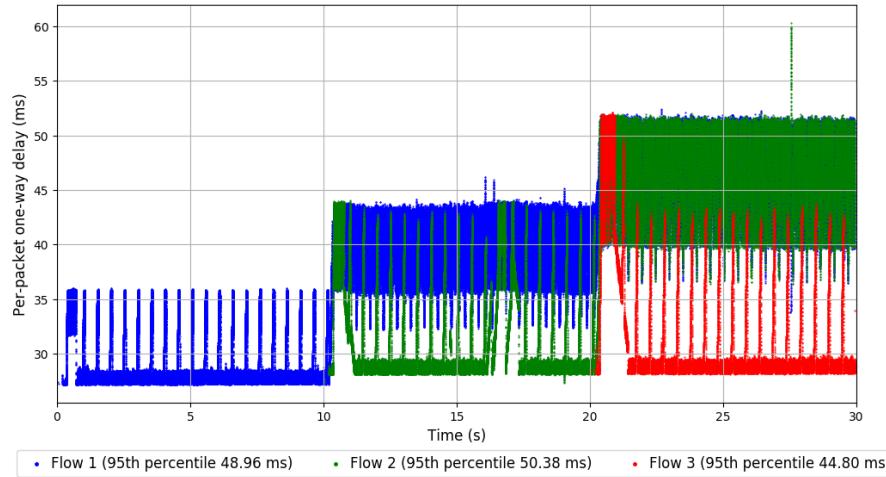
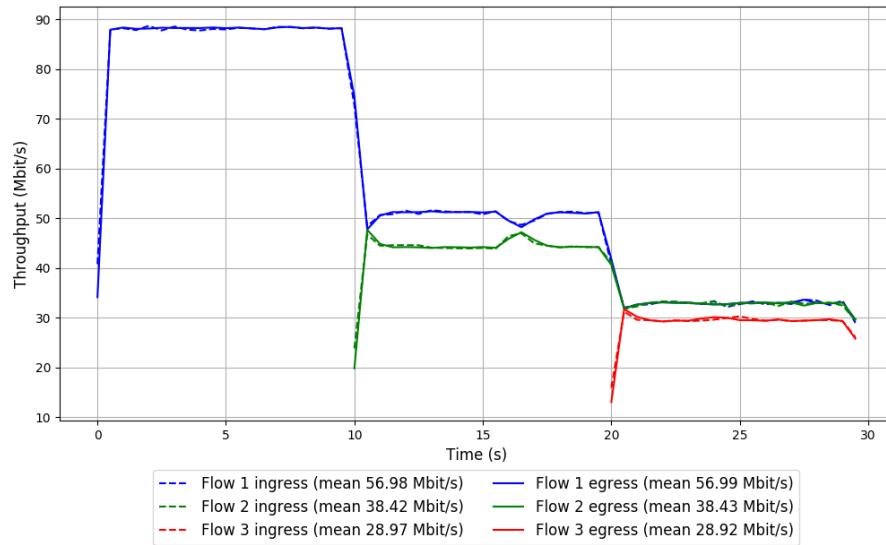


Run 5: Statistics of FillP

```
Start at: 2018-02-02 23:34:44
End at: 2018-02-02 23:35:14
Local clock offset: -5.282 ms
Remote clock offset: -16.351 ms

# Below is generated by plot.py at 2018-02-03 05:58:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.13 Mbit/s
95th percentile per-packet one-way delay: 49.541 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 56.99 Mbit/s
95th percentile per-packet one-way delay: 48.956 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 38.43 Mbit/s
95th percentile per-packet one-way delay: 50.375 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 28.92 Mbit/s
95th percentile per-packet one-way delay: 44.801 ms
Loss rate: 0.34%
```

Run 5: Report of FillP — Data Link

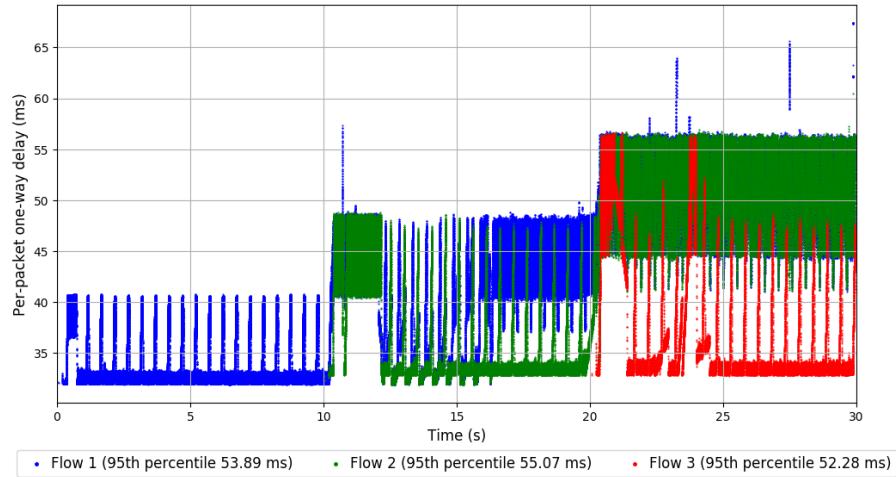
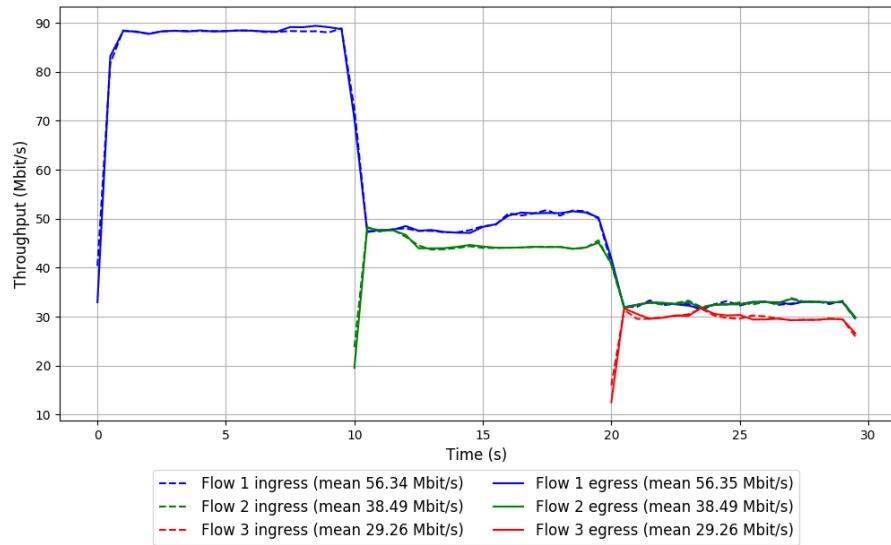


Run 6: Statistics of FillP

```
Start at: 2018-02-02 23:56:10
End at: 2018-02-02 23:56:40
Local clock offset: -3.005 ms
Remote clock offset: -17.717 ms

# Below is generated by plot.py at 2018-02-03 05:58:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.64 Mbit/s
95th percentile per-packet one-way delay: 54.359 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 56.35 Mbit/s
95th percentile per-packet one-way delay: 53.892 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 38.49 Mbit/s
95th percentile per-packet one-way delay: 55.069 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 29.26 Mbit/s
95th percentile per-packet one-way delay: 52.277 ms
Loss rate: 0.25%
```

Run 6: Report of FillP — Data Link

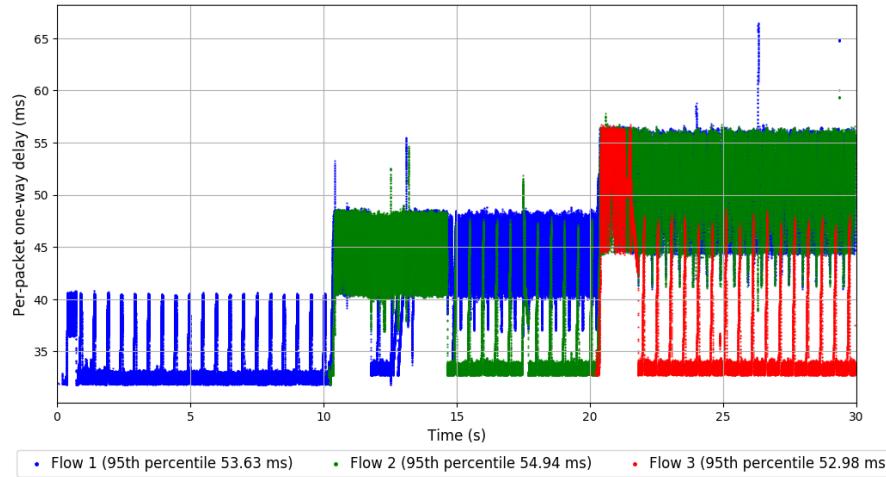
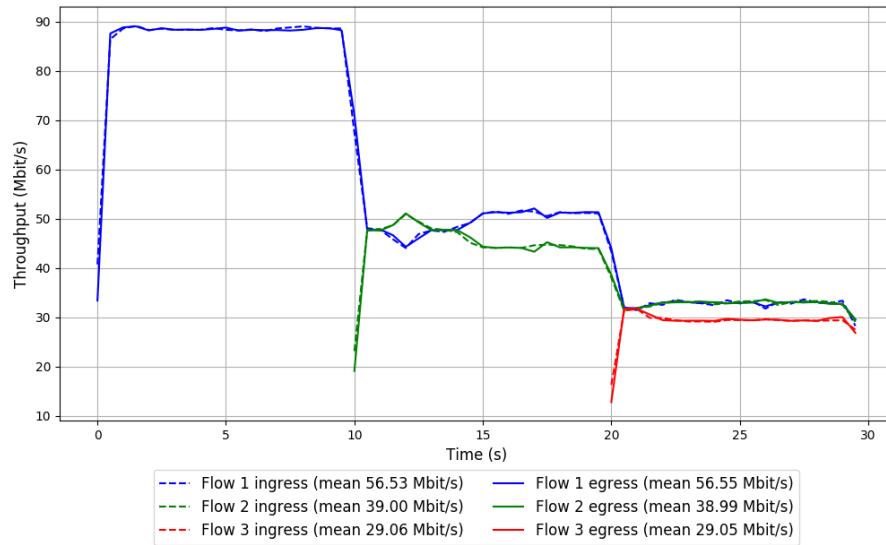


Run 7: Statistics of FillP

```
Start at: 2018-02-03 00:17:48
End at: 2018-02-03 00:18:18
Local clock offset: -1.937 ms
Remote clock offset: -18.833 ms

# Below is generated by plot.py at 2018-02-03 05:58:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.10 Mbit/s
95th percentile per-packet one-way delay: 54.214 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 56.55 Mbit/s
95th percentile per-packet one-way delay: 53.632 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 38.99 Mbit/s
95th percentile per-packet one-way delay: 54.937 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 29.05 Mbit/s
95th percentile per-packet one-way delay: 52.981 ms
Loss rate: 0.28%
```

Run 7: Report of FillP — Data Link

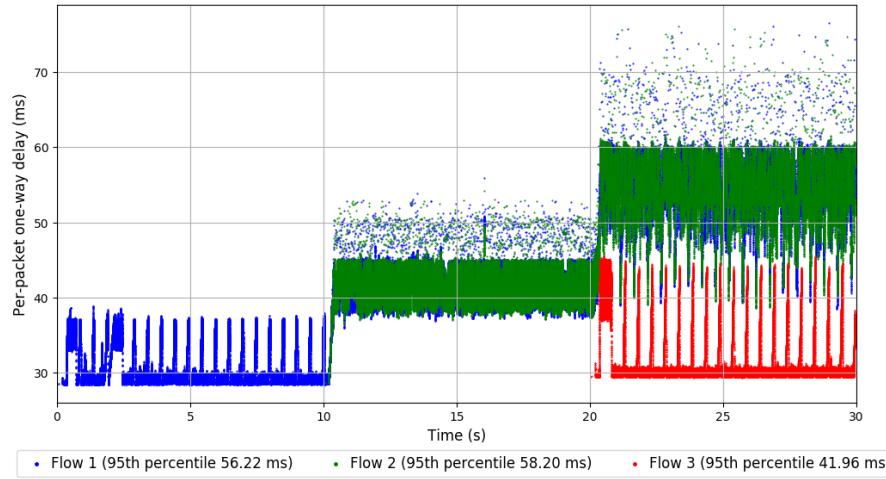
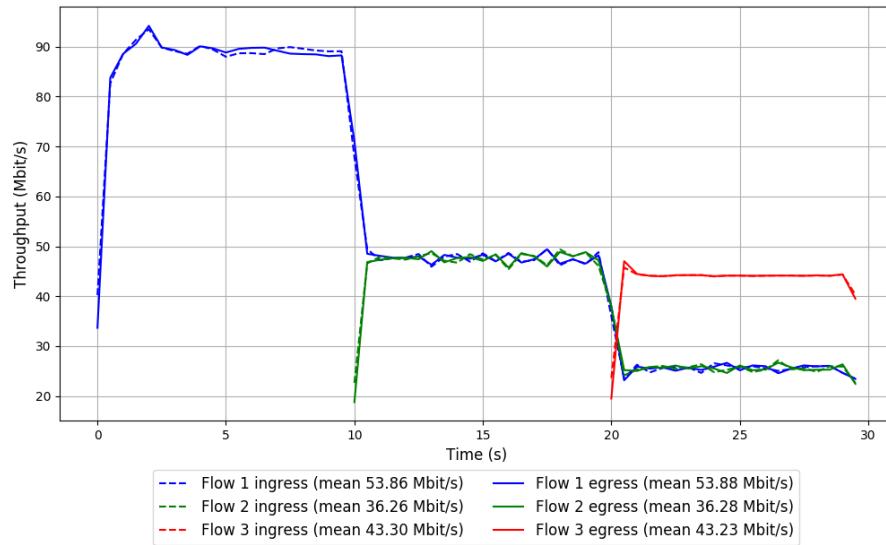


Run 8: Statistics of FillP

```
Start at: 2018-02-03 00:39:57
End at: 2018-02-03 00:40:27
Local clock offset: -3.053 ms
Remote clock offset: -16.759 ms

# Below is generated by plot.py at 2018-02-03 05:59:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.33 Mbit/s
95th percentile per-packet one-way delay: 56.677 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 53.88 Mbit/s
95th percentile per-packet one-way delay: 56.220 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 36.28 Mbit/s
95th percentile per-packet one-way delay: 58.205 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 43.23 Mbit/s
95th percentile per-packet one-way delay: 41.959 ms
Loss rate: 0.41%
```

Run 8: Report of FillP — Data Link

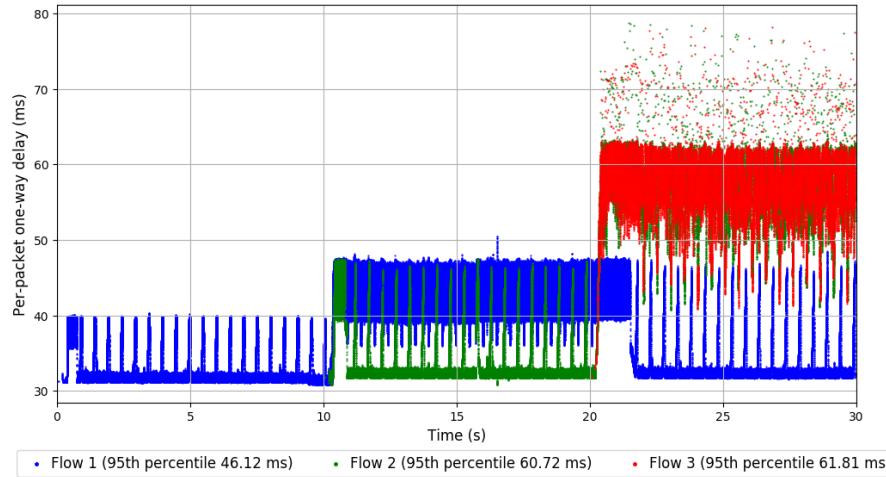
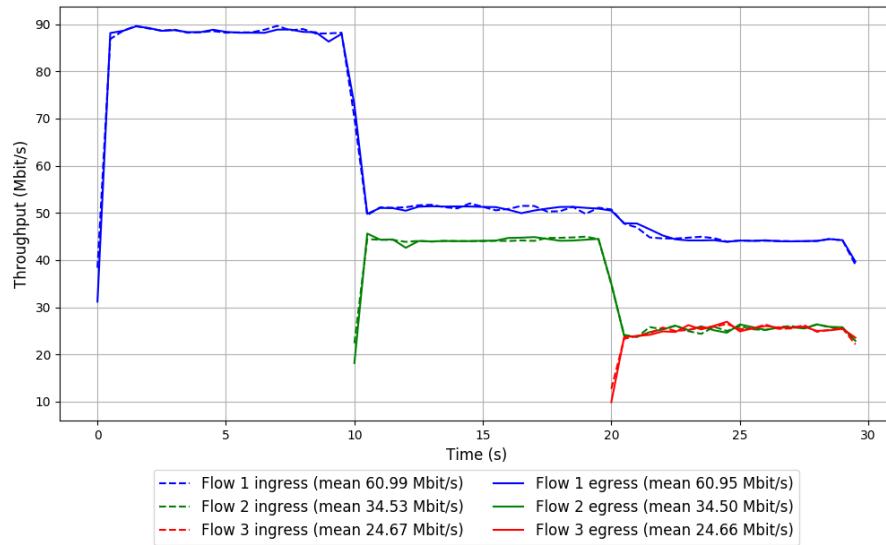


Run 9: Statistics of FillP

```
Start at: 2018-02-03 01:03:01
End at: 2018-02-03 01:03:31
Local clock offset: -2.703 ms
Remote clock offset: -18.298 ms

# Below is generated by plot.py at 2018-02-03 05:59:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.05 Mbit/s
95th percentile per-packet one-way delay: 59.181 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 60.95 Mbit/s
95th percentile per-packet one-way delay: 46.123 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 34.50 Mbit/s
95th percentile per-packet one-way delay: 60.721 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 61.813 ms
Loss rate: 0.36%
```

Run 9: Report of FillP — Data Link

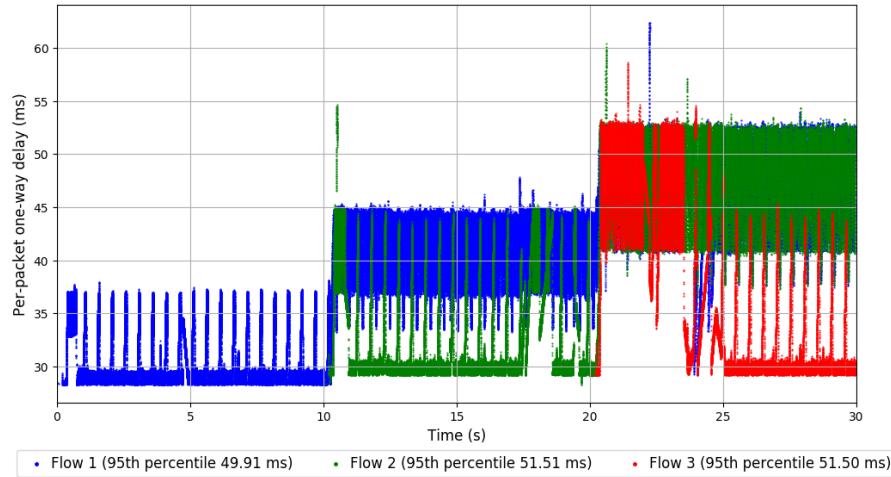
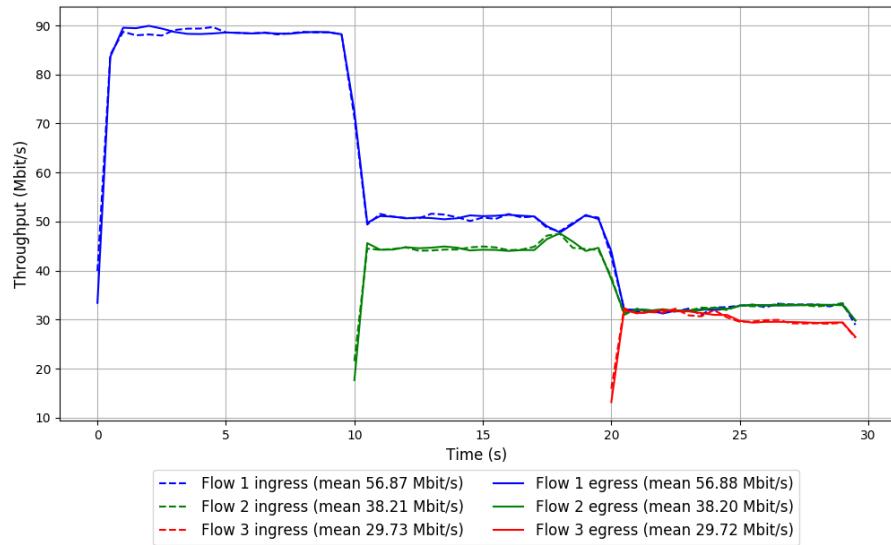


Run 10: Statistics of FillP

```
Start at: 2018-02-03 01:25:58
End at: 2018-02-03 01:26:28
Local clock offset: -3.332 ms
Remote clock offset: -18.737 ms

# Below is generated by plot.py at 2018-02-03 06:00:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.12 Mbit/s
95th percentile per-packet one-way delay: 50.844 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 56.88 Mbit/s
95th percentile per-packet one-way delay: 49.905 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 38.20 Mbit/s
95th percentile per-packet one-way delay: 51.512 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 29.72 Mbit/s
95th percentile per-packet one-way delay: 51.504 ms
Loss rate: 0.28%
```

Run 10: Report of FillP — Data Link

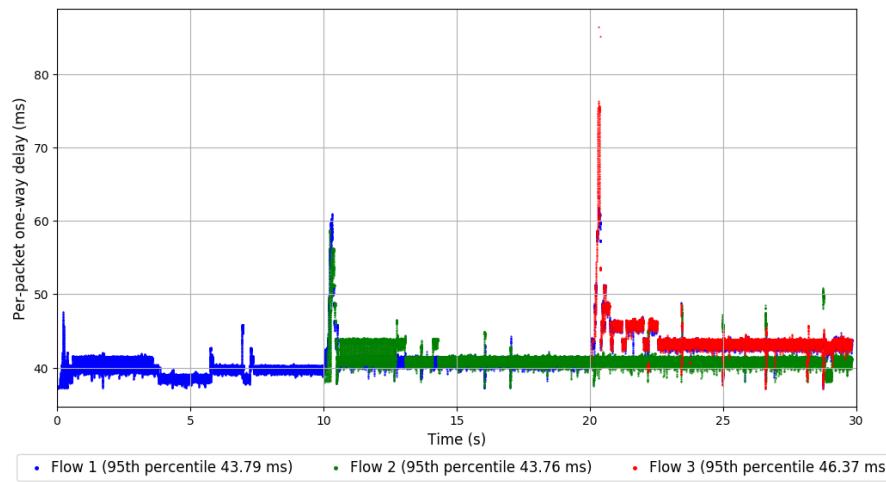
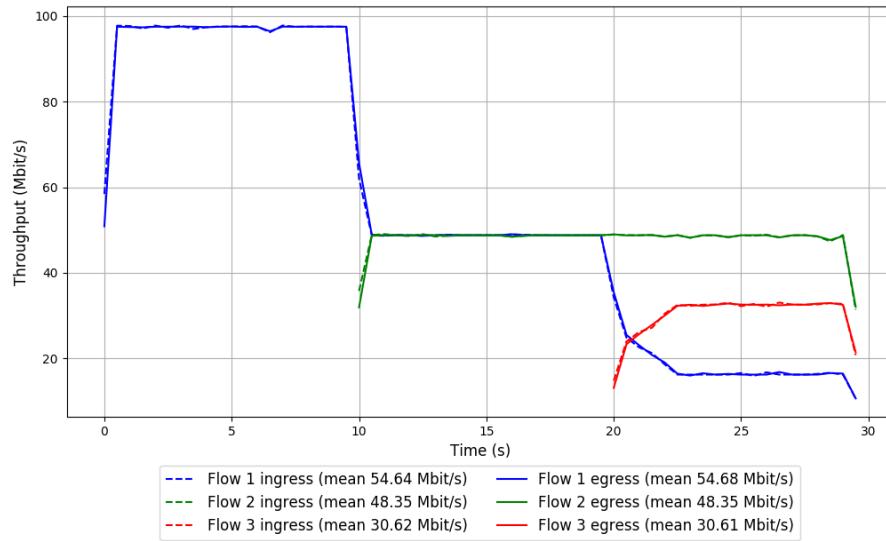


Run 1: Statistics of Indigo-1-32

```
Start at: 2018-02-02 22:09:05
End at: 2018-02-02 22:09:35
Local clock offset: -2.56 ms
Remote clock offset: -22.525 ms

# Below is generated by plot.py at 2018-02-03 06:00:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.81 Mbit/s
95th percentile per-packet one-way delay: 43.960 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 54.68 Mbit/s
95th percentile per-packet one-way delay: 43.792 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 48.35 Mbit/s
95th percentile per-packet one-way delay: 43.760 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 30.61 Mbit/s
95th percentile per-packet one-way delay: 46.373 ms
Loss rate: 0.40%
```

Run 1: Report of Indigo-1-32 — Data Link

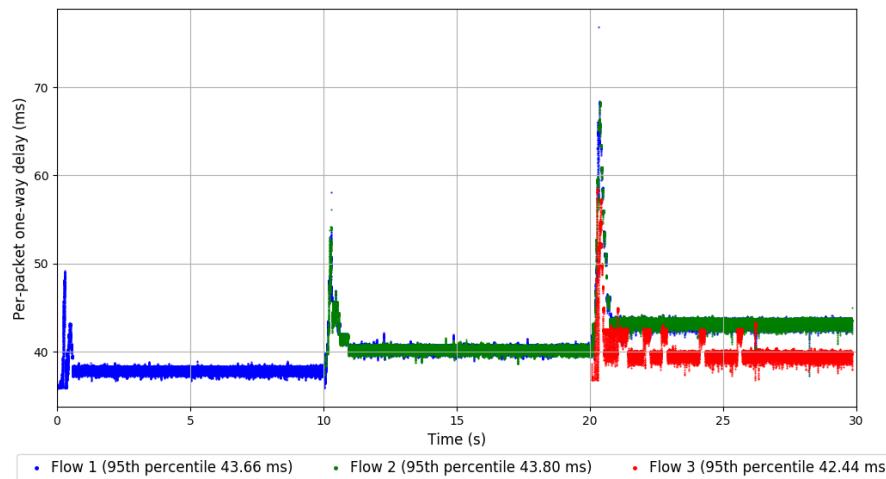
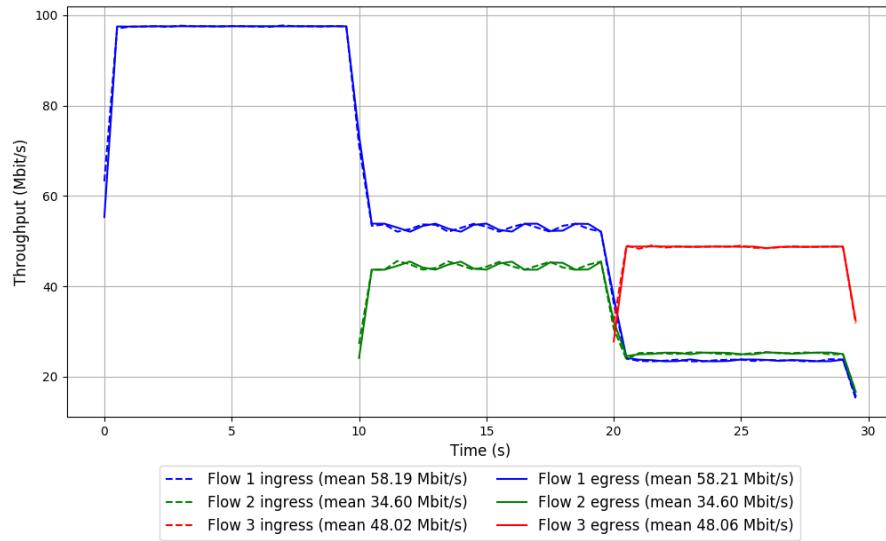


Run 2: Statistics of Indigo-1-32

```
Start at: 2018-02-02 22:31:01
End at: 2018-02-02 22:31:31
Local clock offset: -3.407 ms
Remote clock offset: -26.139 ms

# Below is generated by plot.py at 2018-02-03 06:00:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.93 Mbit/s
95th percentile per-packet one-way delay: 43.694 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 58.21 Mbit/s
95th percentile per-packet one-way delay: 43.661 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 34.60 Mbit/s
95th percentile per-packet one-way delay: 43.795 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 48.06 Mbit/s
95th percentile per-packet one-way delay: 42.439 ms
Loss rate: 0.35%
```

Run 2: Report of Indigo-1-32 — Data Link

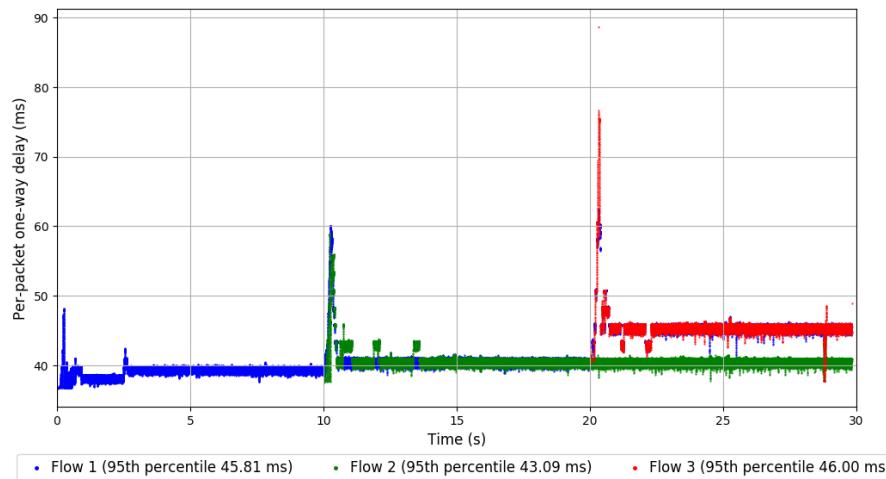
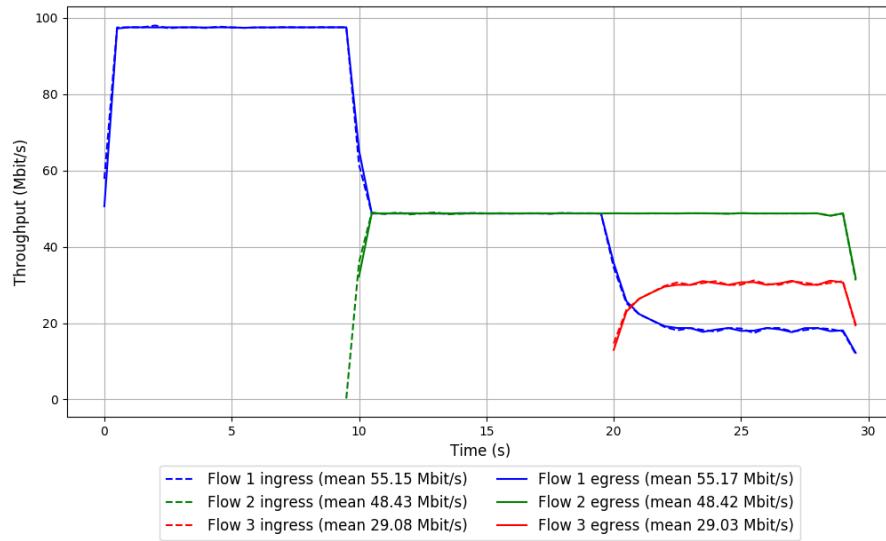


Run 3: Statistics of Indigo-1-32

```
Start at: 2018-02-02 22:52:52
End at: 2018-02-02 22:53:22
Local clock offset: -1.599 ms
Remote clock offset: -23.832 ms

# Below is generated by plot.py at 2018-02-03 06:00:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.83 Mbit/s
95th percentile per-packet one-way delay: 45.823 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 55.17 Mbit/s
95th percentile per-packet one-way delay: 45.809 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 48.42 Mbit/s
95th percentile per-packet one-way delay: 43.088 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 29.03 Mbit/s
95th percentile per-packet one-way delay: 46.001 ms
Loss rate: 0.40%
```

Run 3: Report of Indigo-1-32 — Data Link

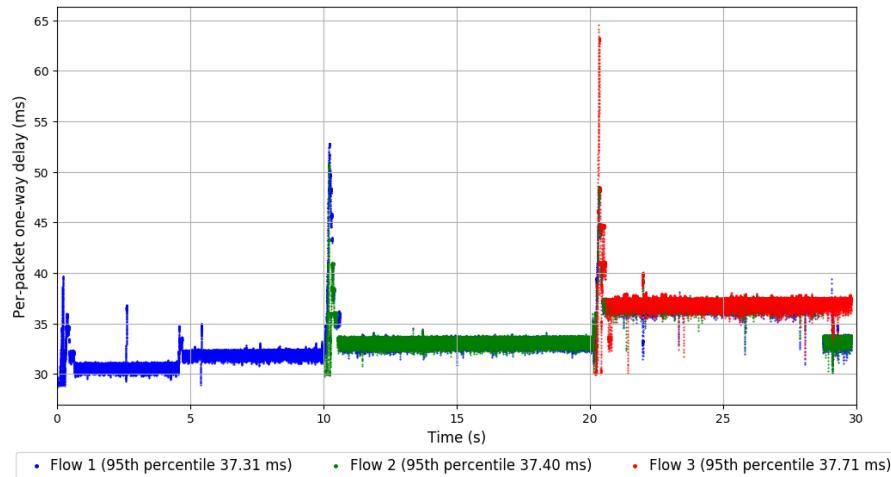
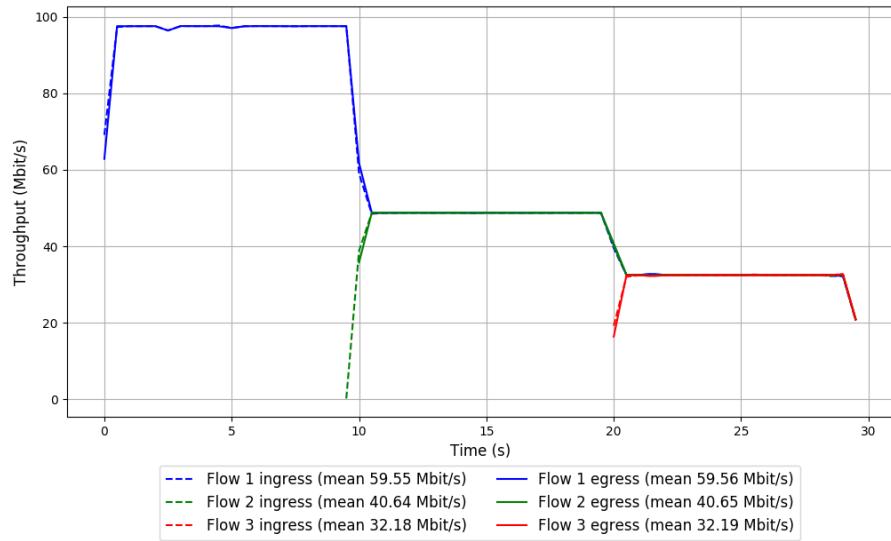


Run 4: Statistics of Indigo-1-32

```
Start at: 2018-02-02 23:14:31
End at: 2018-02-02 23:15:01
Local clock offset: -2.974 ms
Remote clock offset: -22.162 ms

# Below is generated by plot.py at 2018-02-03 06:00:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.01 Mbit/s
95th percentile per-packet one-way delay: 37.409 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 59.56 Mbit/s
95th percentile per-packet one-way delay: 37.312 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 40.65 Mbit/s
95th percentile per-packet one-way delay: 37.403 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.19 Mbit/s
95th percentile per-packet one-way delay: 37.707 ms
Loss rate: 0.34%
```

Run 4: Report of Indigo-1-32 — Data Link

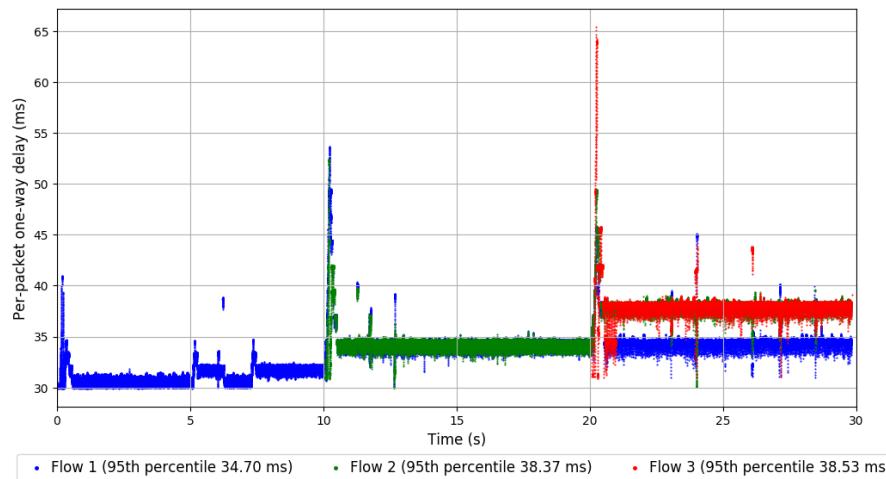
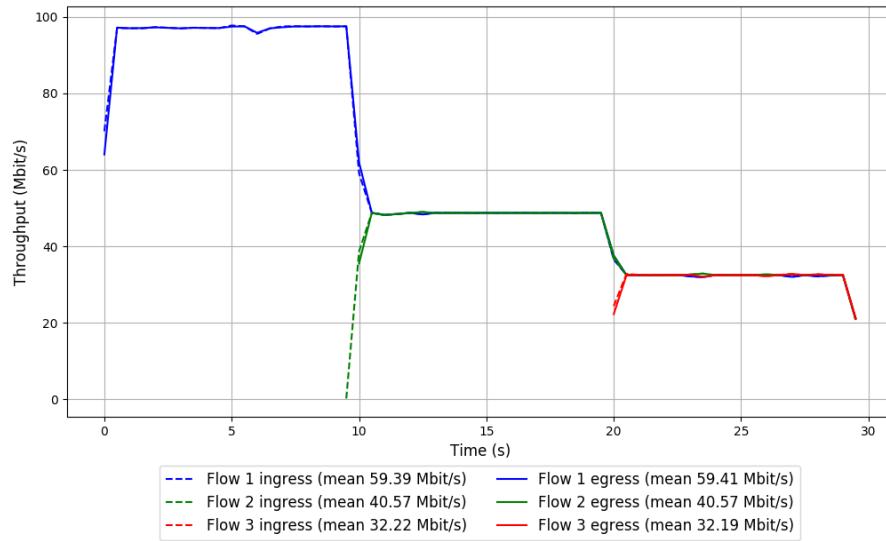


Run 5: Statistics of Indigo-1-32

```
Start at: 2018-02-02 23:35:57
End at: 2018-02-02 23:36:27
Local clock offset: -2.203 ms
Remote clock offset: -15.556 ms

# Below is generated by plot.py at 2018-02-03 06:00:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 38.299 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 59.41 Mbit/s
95th percentile per-packet one-way delay: 34.699 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 40.57 Mbit/s
95th percentile per-packet one-way delay: 38.370 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 32.19 Mbit/s
95th percentile per-packet one-way delay: 38.527 ms
Loss rate: 0.34%
```

Run 5: Report of Indigo-1-32 — Data Link

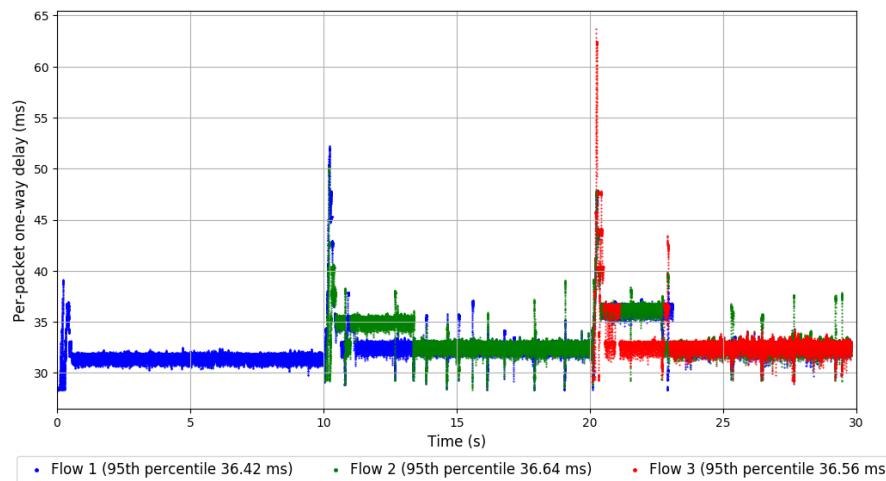
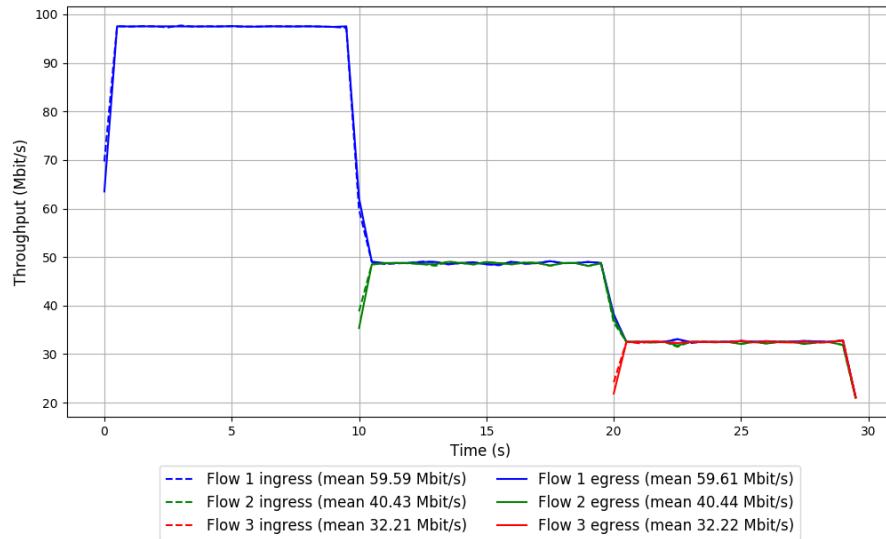


Run 6: Statistics of Indigo-1-32

```
Start at: 2018-02-02 23:57:25
End at: 2018-02-02 23:57:55
Local clock offset: -6.481 ms
Remote clock offset: -17.499 ms

# Below is generated by plot.py at 2018-02-03 06:00:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.01 Mbit/s
95th percentile per-packet one-way delay: 36.534 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 59.61 Mbit/s
95th percentile per-packet one-way delay: 36.422 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 40.44 Mbit/s
95th percentile per-packet one-way delay: 36.639 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.22 Mbit/s
95th percentile per-packet one-way delay: 36.564 ms
Loss rate: 0.30%
```

Run 6: Report of Indigo-1-32 — Data Link

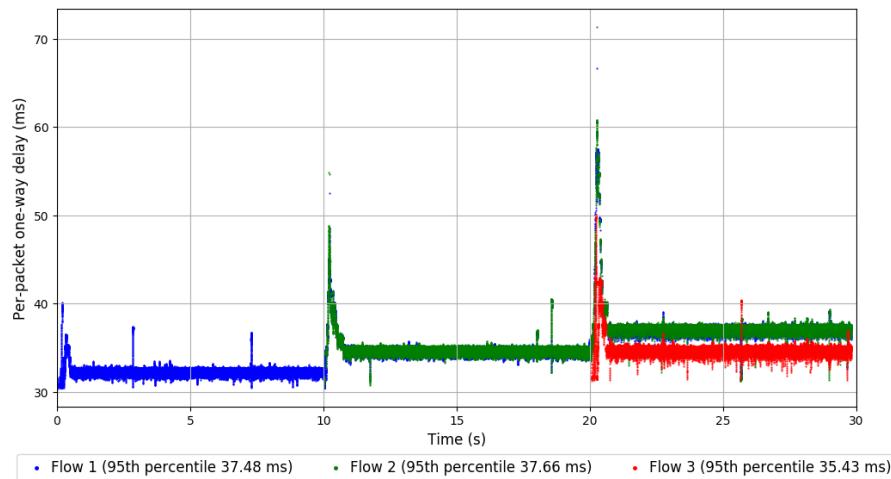
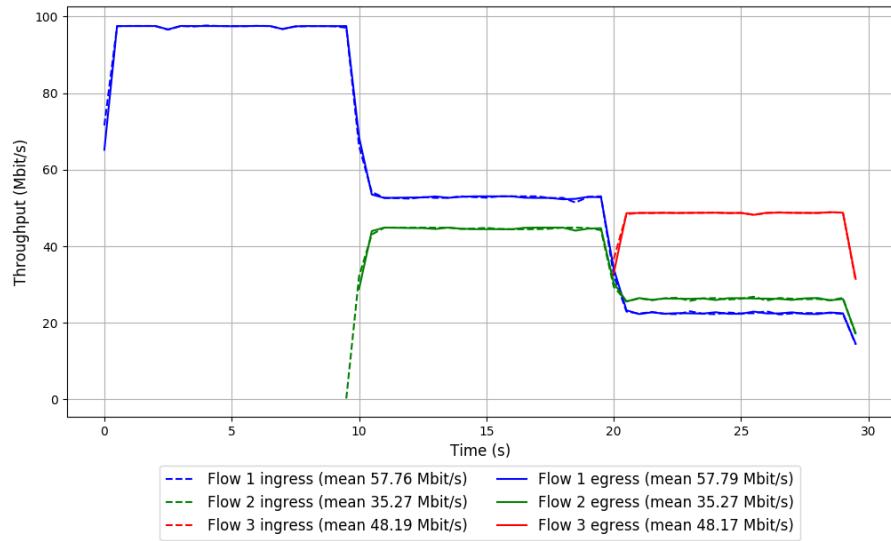


Run 7: Statistics of Indigo-1-32

```
Start at: 2018-02-03 00:19:02
End at: 2018-02-03 00:19:32
Local clock offset: -1.494 ms
Remote clock offset: -16.914 ms

# Below is generated by plot.py at 2018-02-03 06:00:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.01 Mbit/s
95th percentile per-packet one-way delay: 37.542 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 57.79 Mbit/s
95th percentile per-packet one-way delay: 37.477 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 35.27 Mbit/s
95th percentile per-packet one-way delay: 37.660 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 48.17 Mbit/s
95th percentile per-packet one-way delay: 35.431 ms
Loss rate: 0.30%
```

Run 7: Report of Indigo-1-32 — Data Link

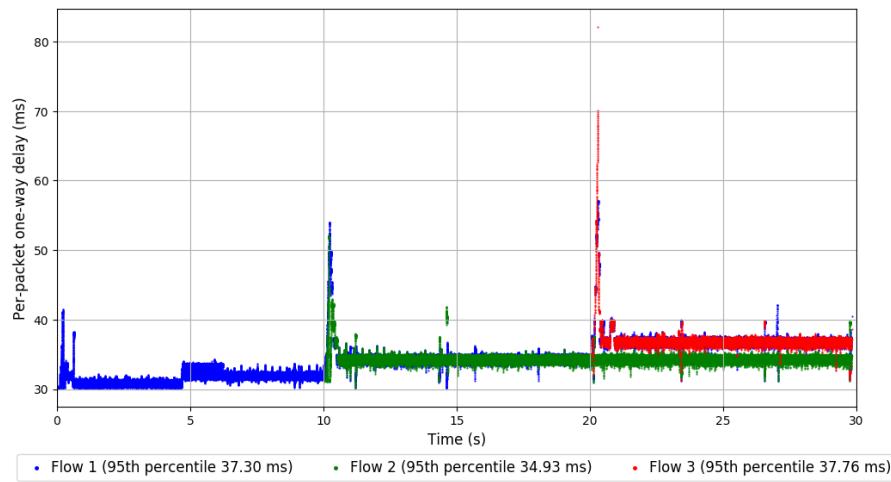
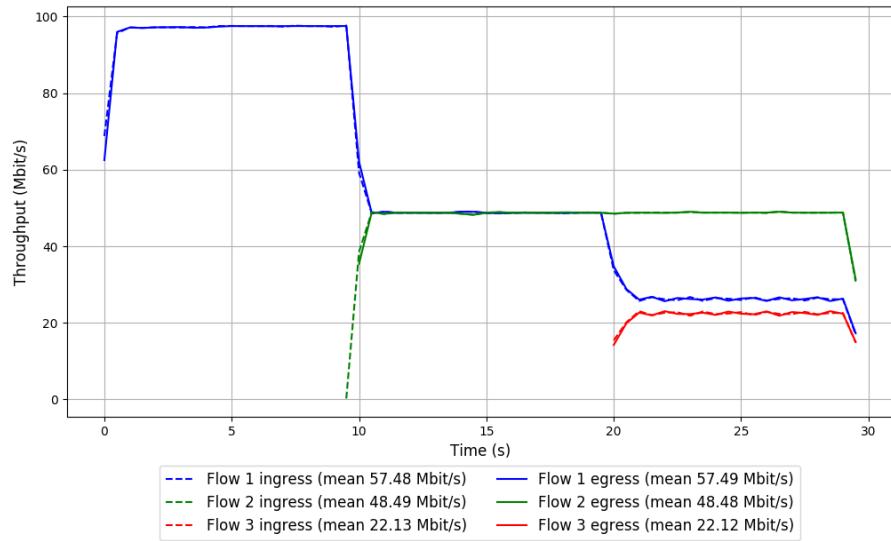


Run 8: Statistics of Indigo-1-32

```
Start at: 2018-02-03 00:41:23
End at: 2018-02-03 00:41:53
Local clock offset: -1.644 ms
Remote clock offset: -16.556 ms

# Below is generated by plot.py at 2018-02-03 06:00:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.94 Mbit/s
95th percentile per-packet one-way delay: 37.291 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 57.49 Mbit/s
95th percentile per-packet one-way delay: 37.296 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 48.48 Mbit/s
95th percentile per-packet one-way delay: 34.928 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 22.12 Mbit/s
95th percentile per-packet one-way delay: 37.760 ms
Loss rate: 0.33%
```

Run 8: Report of Indigo-1-32 — Data Link

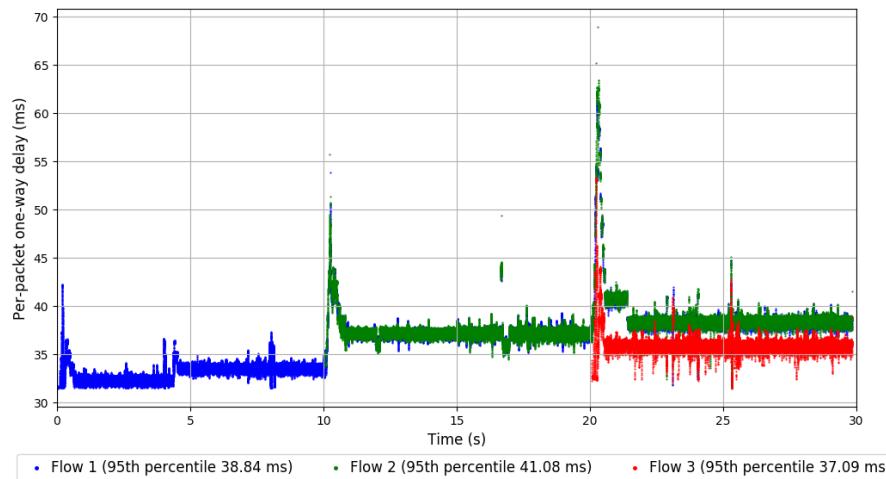
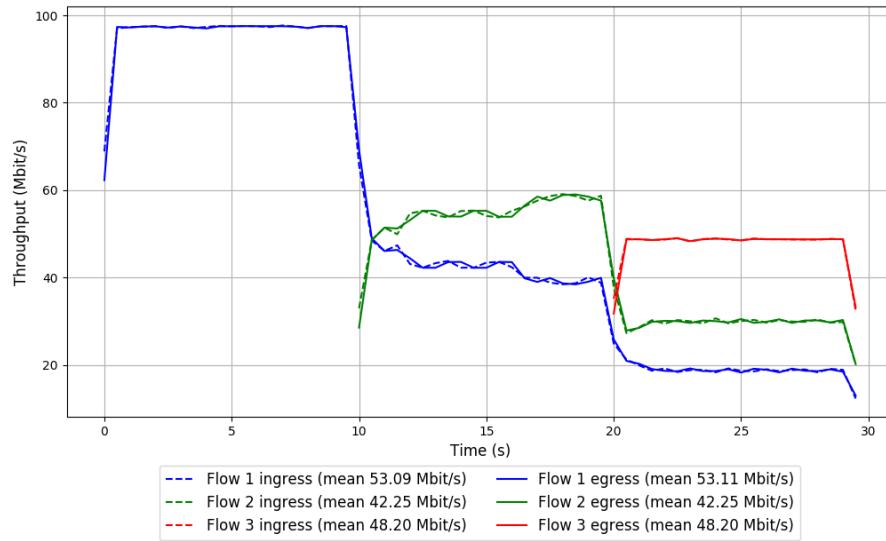


Run 9: Statistics of Indigo-1-32

```
Start at: 2018-02-03 01:04:16
End at: 2018-02-03 01:04:46
Local clock offset: -2.381 ms
Remote clock offset: -18.616 ms

# Below is generated by plot.py at 2018-02-03 06:00:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.95 Mbit/s
95th percentile per-packet one-way delay: 39.020 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 53.11 Mbit/s
95th percentile per-packet one-way delay: 38.845 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 42.25 Mbit/s
95th percentile per-packet one-way delay: 41.083 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 48.20 Mbit/s
95th percentile per-packet one-way delay: 37.085 ms
Loss rate: 0.30%
```

Run 9: Report of Indigo-1-32 — Data Link

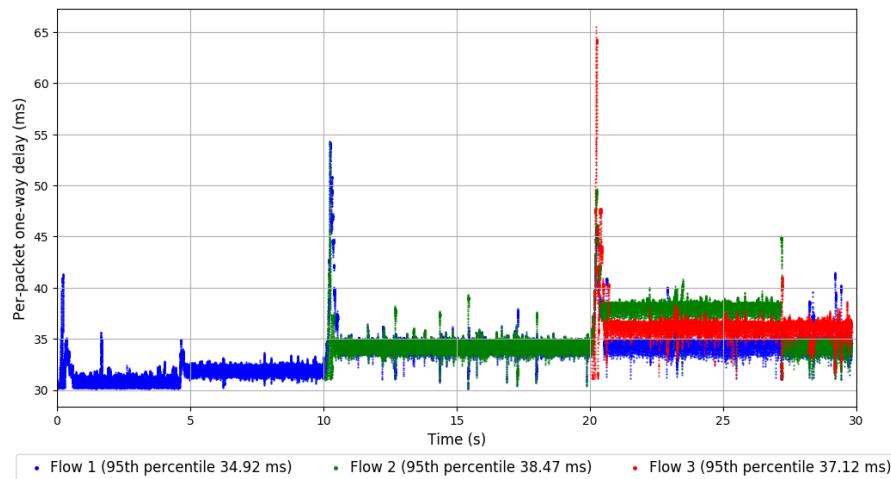
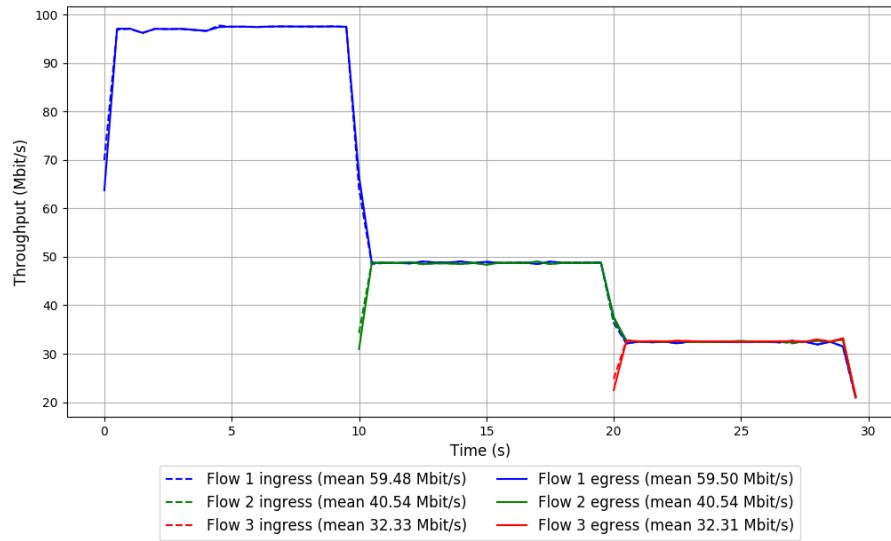


Run 10: Statistics of Indigo-1-32

```
Start at: 2018-02-03 01:27:16
End at: 2018-02-03 01:27:46
Local clock offset: -3.279 ms
Remote clock offset: -20.428 ms

# Below is generated by plot.py at 2018-02-03 06:00:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.95 Mbit/s
95th percentile per-packet one-way delay: 38.302 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 59.50 Mbit/s
95th percentile per-packet one-way delay: 34.922 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 40.54 Mbit/s
95th percentile per-packet one-way delay: 38.471 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.31 Mbit/s
95th percentile per-packet one-way delay: 37.115 ms
Loss rate: 0.32%
```

Run 10: Report of Indigo-1-32 — Data Link

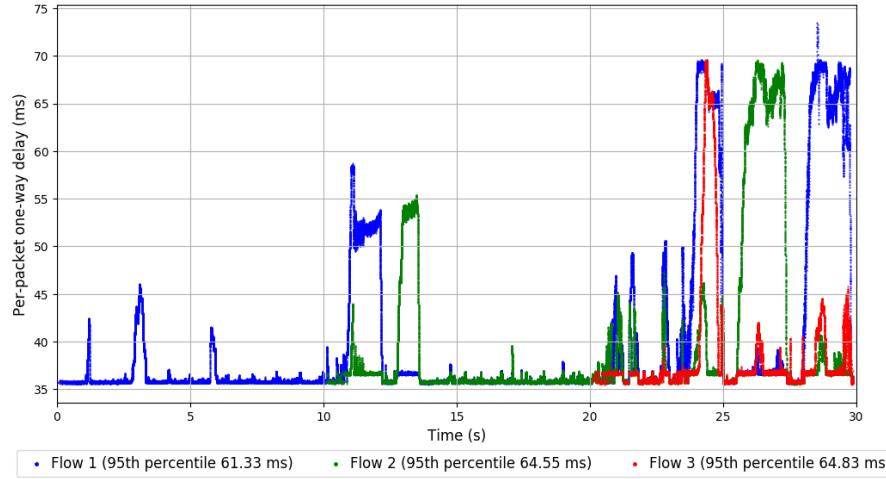
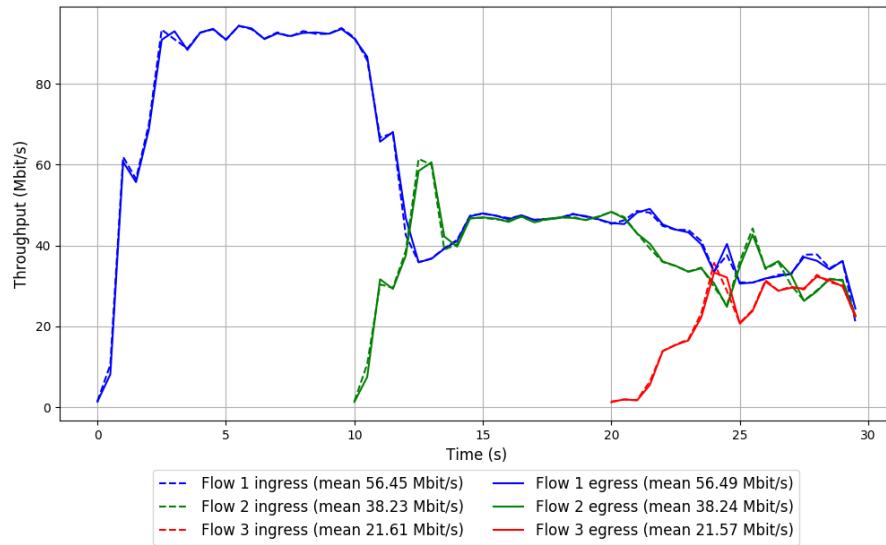


Run 1: Statistics of Vivace-latency

```
Start at: 2018-02-02 22:15:00
End at: 2018-02-02 22:15:30
Local clock offset: -3.412 ms
Remote clock offset: -23.066 ms

# Below is generated by plot.py at 2018-02-03 06:01:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.97 Mbit/s
95th percentile per-packet one-way delay: 63.738 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 56.49 Mbit/s
95th percentile per-packet one-way delay: 61.331 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 38.24 Mbit/s
95th percentile per-packet one-way delay: 64.552 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 21.57 Mbit/s
95th percentile per-packet one-way delay: 64.831 ms
Loss rate: 0.50%
```

Run 1: Report of Vivace-latency — Data Link

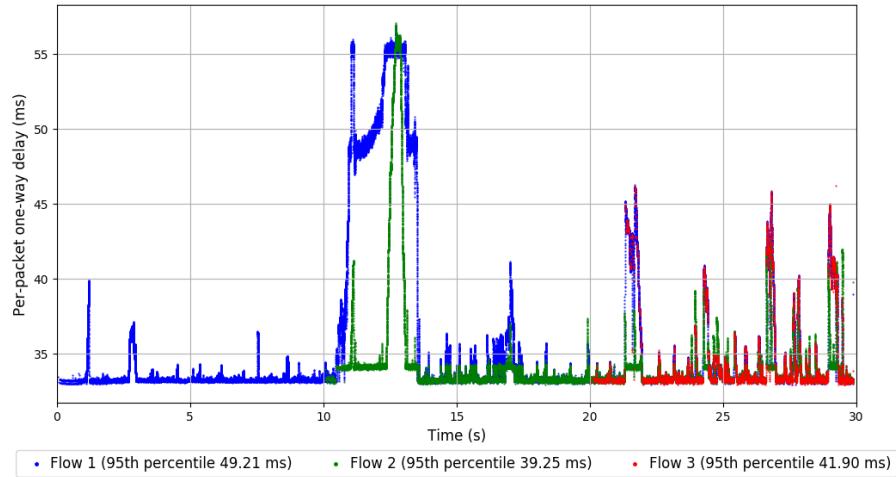
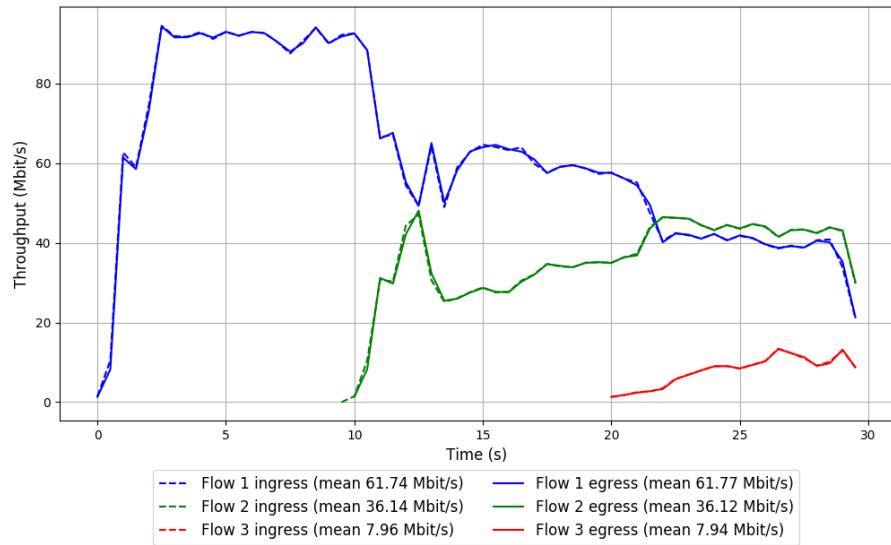


Run 2: Statistics of Vivace-latency

```
Start at: 2018-02-02 22:37:06
End at: 2018-02-02 22:37:36
Local clock offset: -4.597 ms
Remote clock offset: -25.351 ms

# Below is generated by plot.py at 2018-02-03 06:01:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.40 Mbit/s
95th percentile per-packet one-way delay: 48.874 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 61.77 Mbit/s
95th percentile per-packet one-way delay: 49.213 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 36.12 Mbit/s
95th percentile per-packet one-way delay: 39.246 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 7.94 Mbit/s
95th percentile per-packet one-way delay: 41.899 ms
Loss rate: 0.47%
```

Run 2: Report of Vivace-latency — Data Link

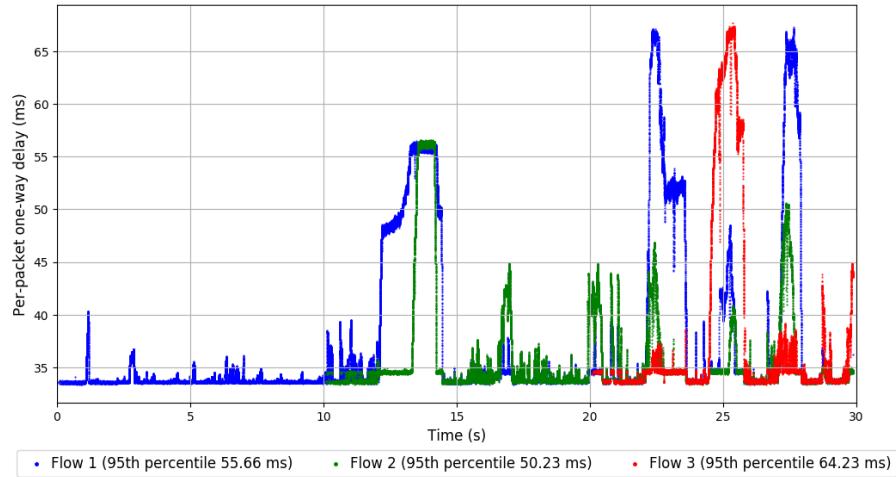
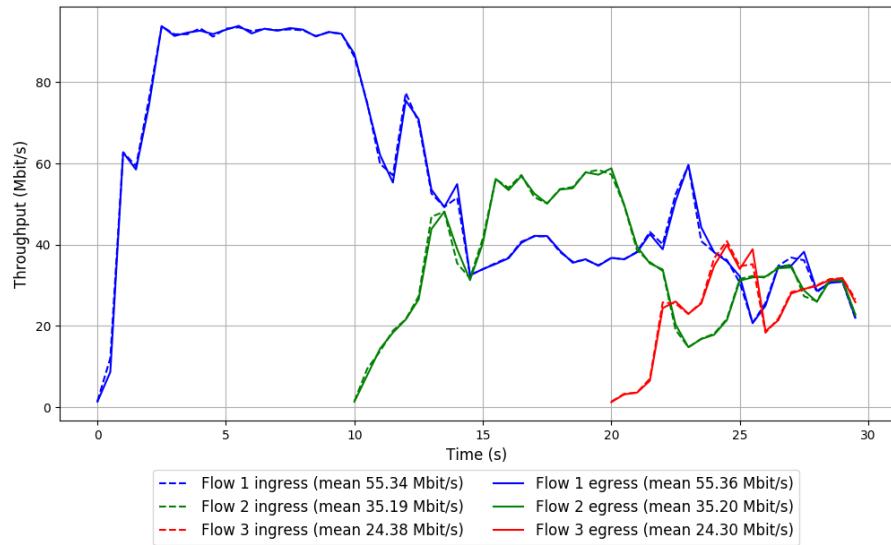


Run 3: Statistics of Vivace-latency

```
Start at: 2018-02-02 22:58:51
End at: 2018-02-02 22:59:21
Local clock offset: -4.011 ms
Remote clock offset: -22.895 ms

# Below is generated by plot.py at 2018-02-03 06:01:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.74 Mbit/s
95th percentile per-packet one-way delay: 55.890 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 55.36 Mbit/s
95th percentile per-packet one-way delay: 55.655 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 35.20 Mbit/s
95th percentile per-packet one-way delay: 50.229 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 64.235 ms
Loss rate: 0.66%
```

Run 3: Report of Vivace-latency — Data Link

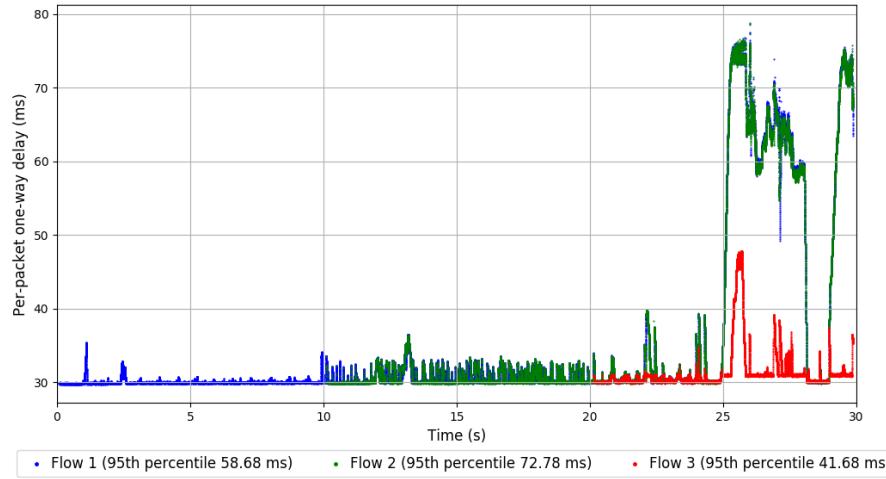
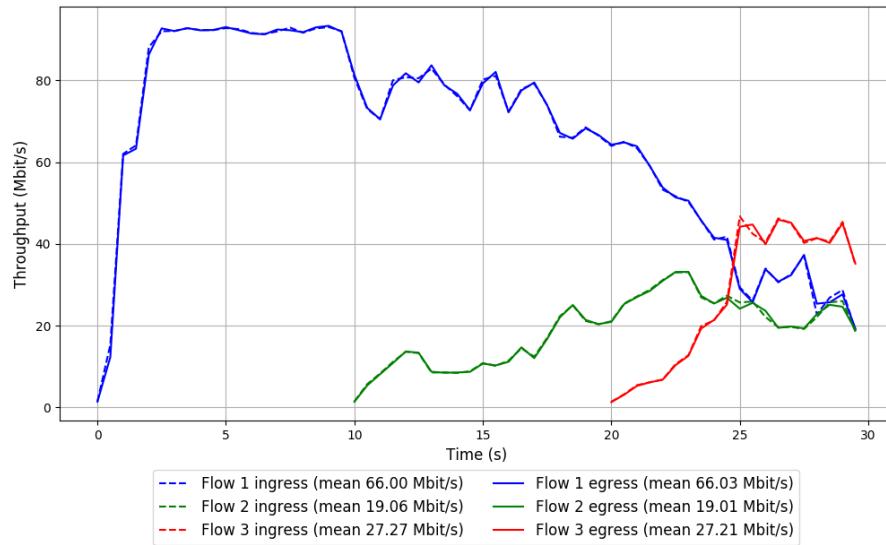


Run 4: Statistics of Vivace-latency

```
Start at: 2018-02-02 23:20:21
End at: 2018-02-02 23:20:51
Local clock offset: -2.459 ms
Remote clock offset: -19.959 ms

# Below is generated by plot.py at 2018-02-03 06:01:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.60 Mbit/s
95th percentile per-packet one-way delay: 62.489 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 66.03 Mbit/s
95th percentile per-packet one-way delay: 58.681 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 19.01 Mbit/s
95th percentile per-packet one-way delay: 72.784 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 27.21 Mbit/s
95th percentile per-packet one-way delay: 41.677 ms
Loss rate: 0.53%
```

Run 4: Report of Vivace-latency — Data Link

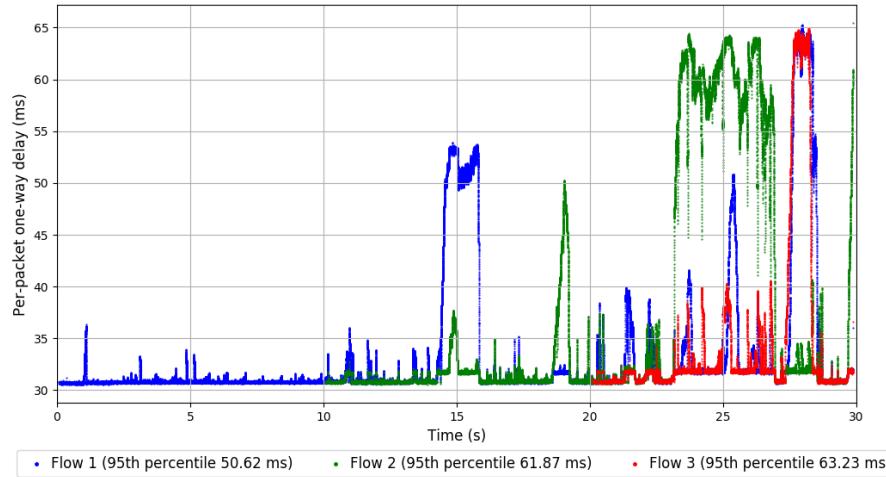
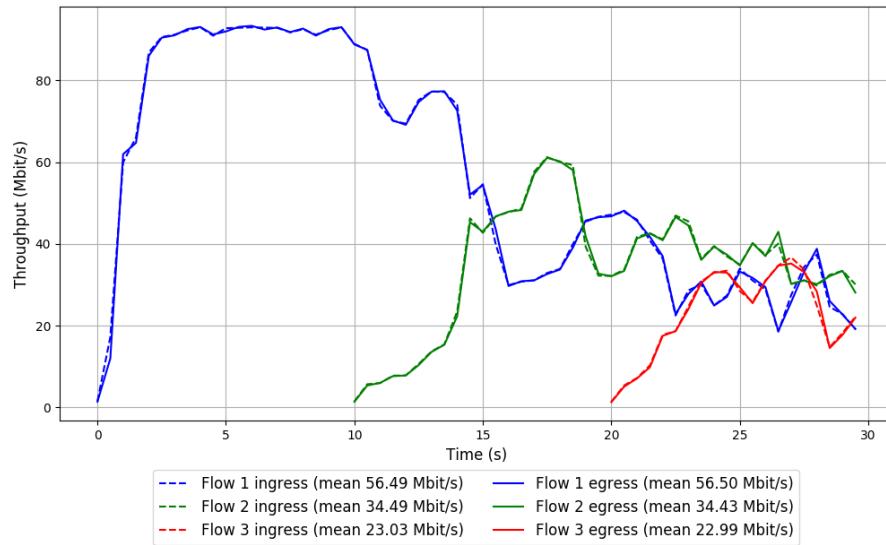


Run 5: Statistics of Vivace-latency

```
Start at: 2018-02-02 23:41:47
End at: 2018-02-02 23:42:17
Local clock offset: -4.772 ms
Remote clock offset: -17.738 ms

# Below is generated by plot.py at 2018-02-03 06:01:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.94 Mbit/s
95th percentile per-packet one-way delay: 58.704 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 56.50 Mbit/s
95th percentile per-packet one-way delay: 50.618 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 34.43 Mbit/s
95th percentile per-packet one-way delay: 61.874 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 22.99 Mbit/s
95th percentile per-packet one-way delay: 63.227 ms
Loss rate: 0.38%
```

Run 5: Report of Vivace-latency — Data Link

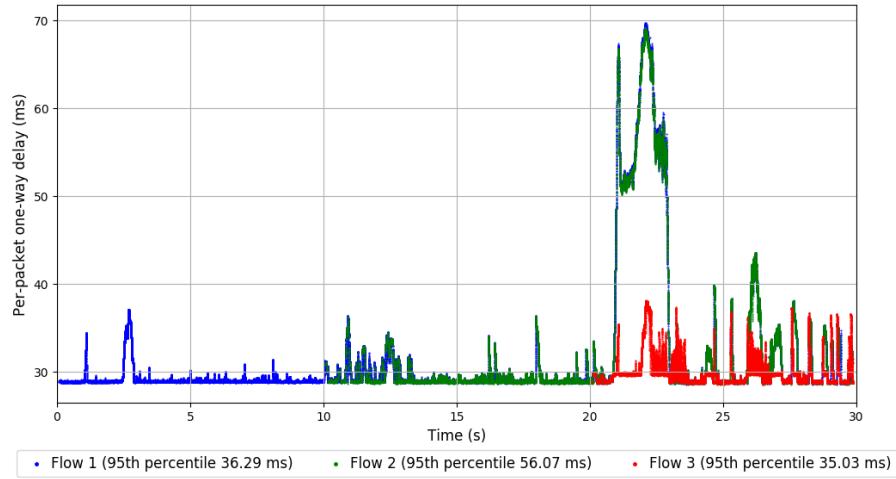
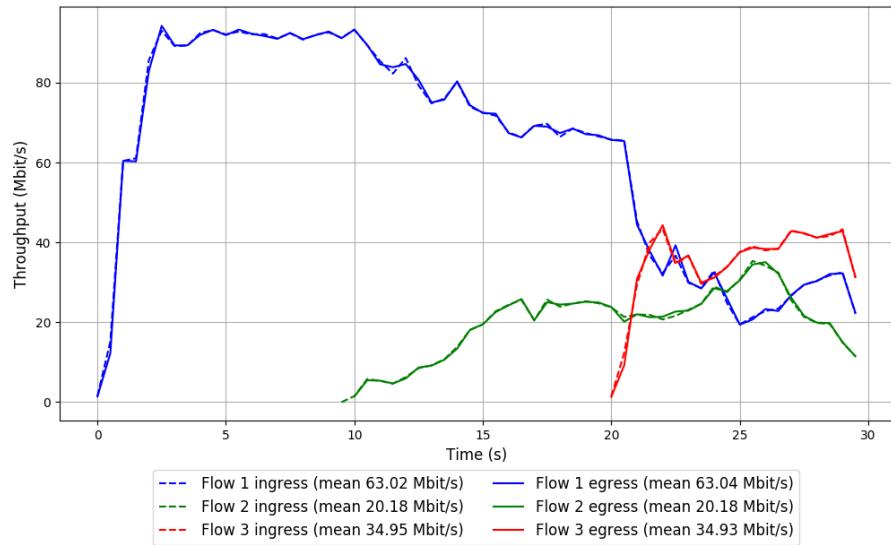


Run 6: Statistics of Vivace-latency

```
Start at: 2018-02-03 00:03:21
End at: 2018-02-03 00:03:51
Local clock offset: -6.279 ms
Remote clock offset: -18.097 ms

# Below is generated by plot.py at 2018-02-03 06:02:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.96 Mbit/s
95th percentile per-packet one-way delay: 39.811 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 63.04 Mbit/s
95th percentile per-packet one-way delay: 36.289 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 20.18 Mbit/s
95th percentile per-packet one-way delay: 56.069 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 34.93 Mbit/s
95th percentile per-packet one-way delay: 35.030 ms
Loss rate: 0.29%
```

Run 6: Report of Vivace-latency — Data Link

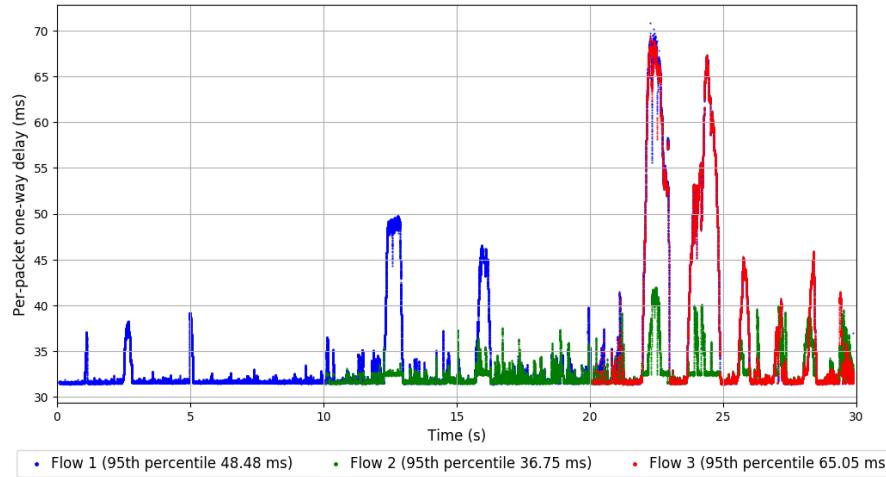
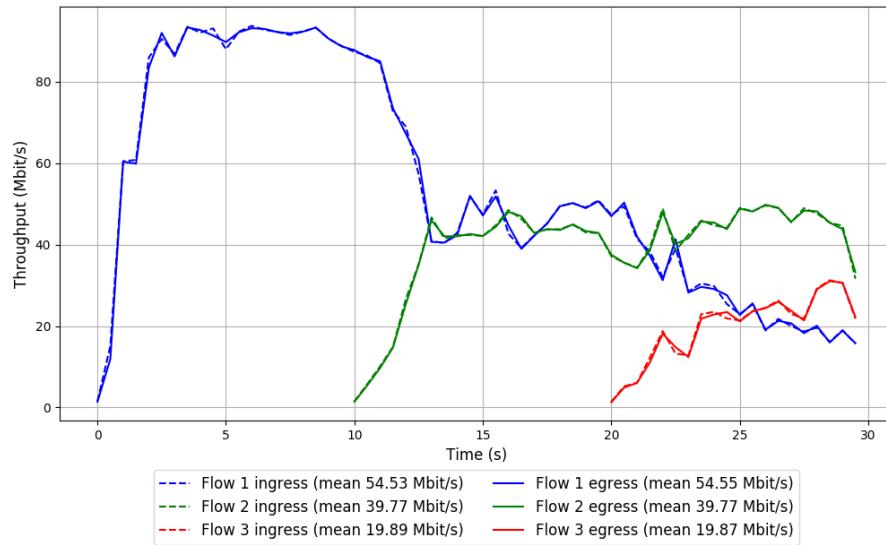


Run 7: Statistics of Vivace-latency

```
Start at: 2018-02-03 00:25:07
End at: 2018-02-03 00:25:37
Local clock offset: -1.223 ms
Remote clock offset: -18.113 ms

# Below is generated by plot.py at 2018-02-03 06:02:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.51 Mbit/s
95th percentile per-packet one-way delay: 47.112 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 54.55 Mbit/s
95th percentile per-packet one-way delay: 48.483 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 39.77 Mbit/s
95th percentile per-packet one-way delay: 36.753 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 19.87 Mbit/s
95th percentile per-packet one-way delay: 65.052 ms
Loss rate: 0.38%
```

Run 7: Report of Vivace-latency — Data Link

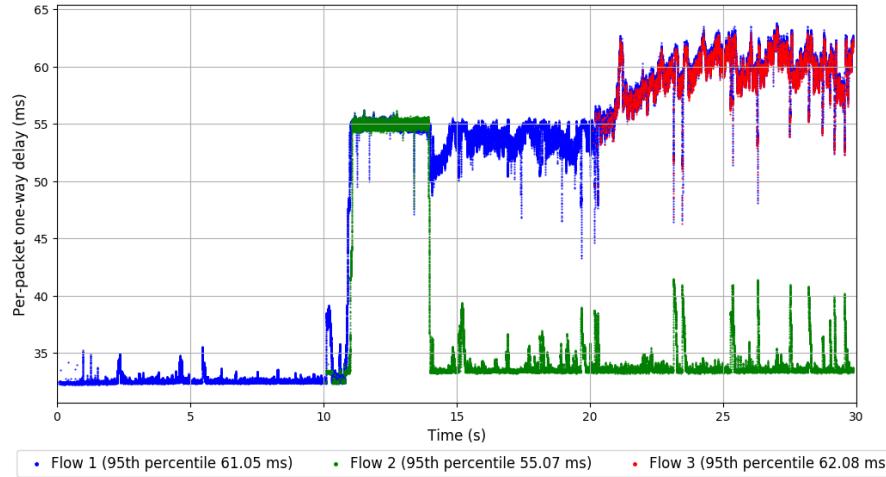
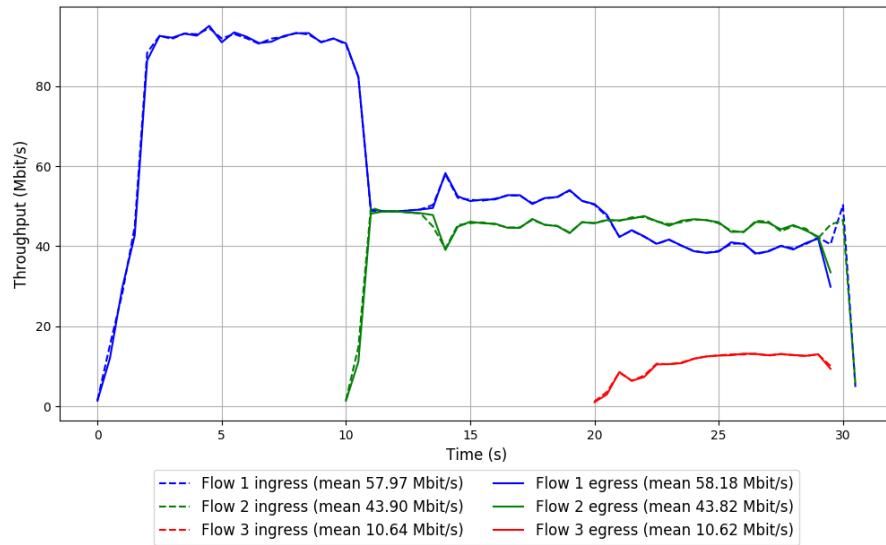


Run 8: Statistics of Vivace-latency

```
Start at: 2018-02-03 00:47:37
End at: 2018-02-03 00:48:07
Local clock offset: -0.099 ms
Remote clock offset: -16.376 ms

# Below is generated by plot.py at 2018-02-03 06:02:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.79 Mbit/s
95th percentile per-packet one-way delay: 60.795 ms
Loss rate: 2.51%
-- Flow 1:
Average throughput: 58.18 Mbit/s
95th percentile per-packet one-way delay: 61.046 ms
Loss rate: 2.00%
-- Flow 2:
Average throughput: 43.82 Mbit/s
95th percentile per-packet one-way delay: 55.071 ms
Loss rate: 3.71%
-- Flow 3:
Average throughput: 10.62 Mbit/s
95th percentile per-packet one-way delay: 62.076 ms
Loss rate: 1.02%
```

Run 8: Report of Vivace-latency — Data Link

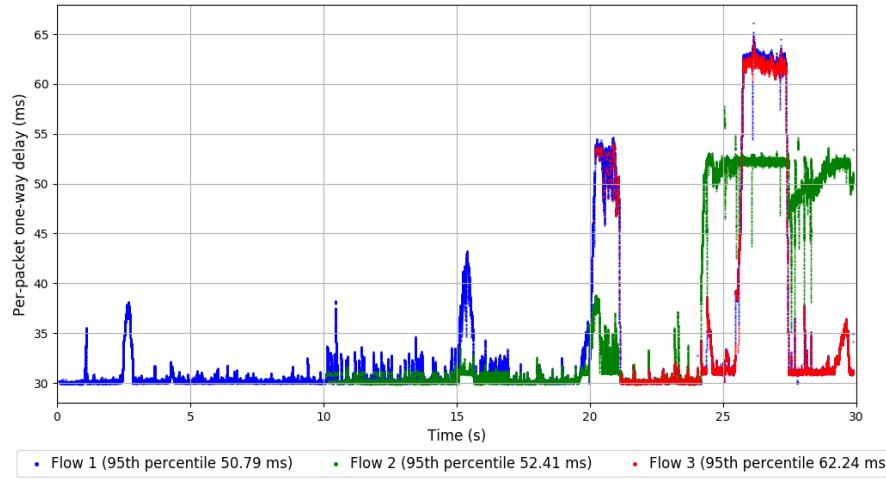
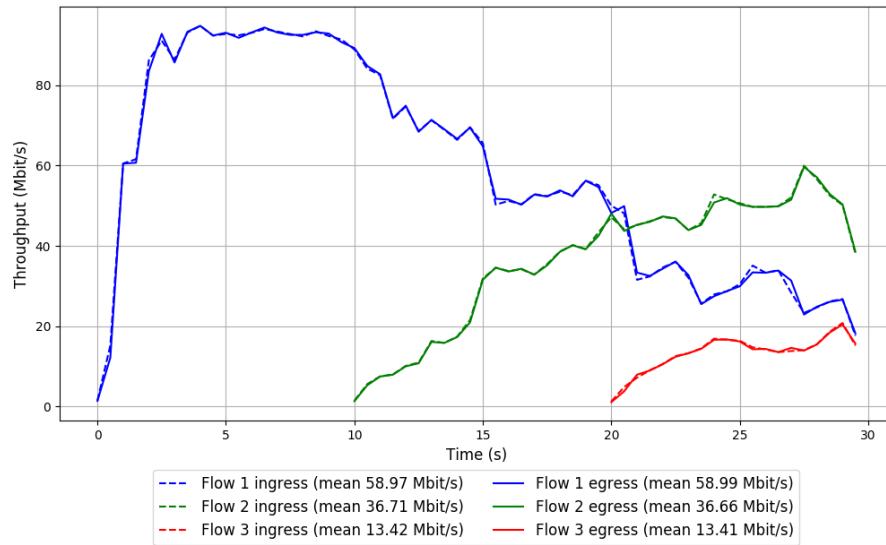


Run 9: Statistics of Vivace-latency

```
Start at: 2018-02-03 01:10:30
End at: 2018-02-03 01:11:00
Local clock offset: -4.434 ms
Remote clock offset: -19.645 ms

# Below is generated by plot.py at 2018-02-03 06:02:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.74 Mbit/s
95th percentile per-packet one-way delay: 52.455 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 58.99 Mbit/s
95th percentile per-packet one-way delay: 50.792 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 36.66 Mbit/s
95th percentile per-packet one-way delay: 52.408 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 13.41 Mbit/s
95th percentile per-packet one-way delay: 62.243 ms
Loss rate: 0.41%
```

Run 9: Report of Vivace-latency — Data Link

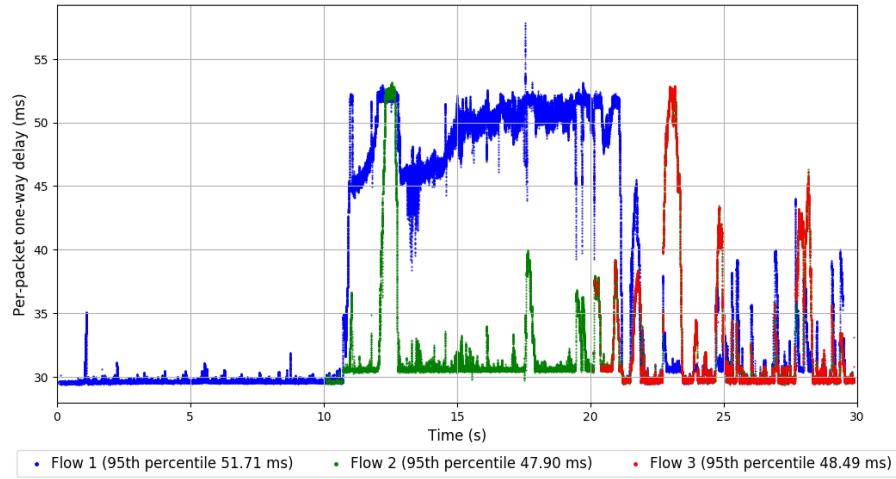
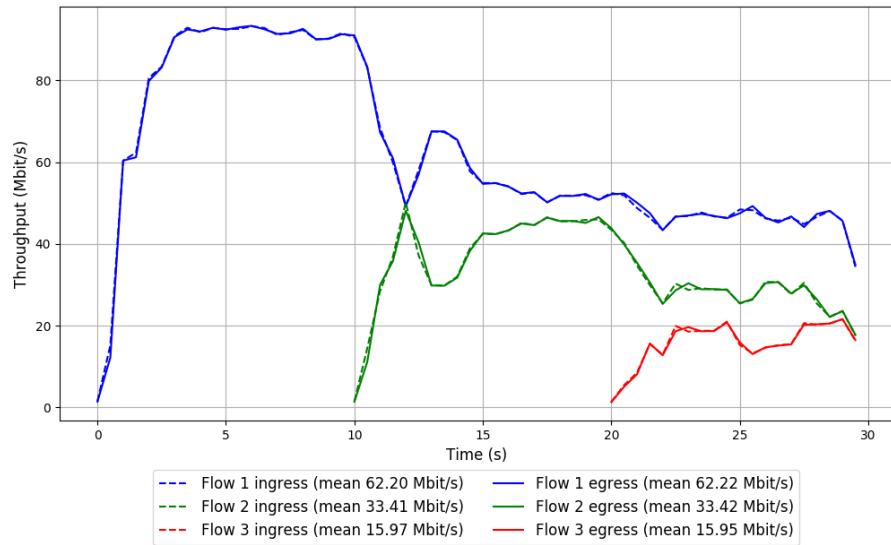


Run 10: Statistics of Vivace-latency

```
Start at: 2018-02-03 01:33:32
End at: 2018-02-03 01:34:02
Local clock offset: -2.307 ms
Remote clock offset: -18.92 ms

# Below is generated by plot.py at 2018-02-03 06:02:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.67 Mbit/s
95th percentile per-packet one-way delay: 51.603 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 62.22 Mbit/s
95th percentile per-packet one-way delay: 51.710 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 33.42 Mbit/s
95th percentile per-packet one-way delay: 47.903 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 15.95 Mbit/s
95th percentile per-packet one-way delay: 48.489 ms
Loss rate: 0.36%
```

Run 10: Report of Vivace-latency — Data Link

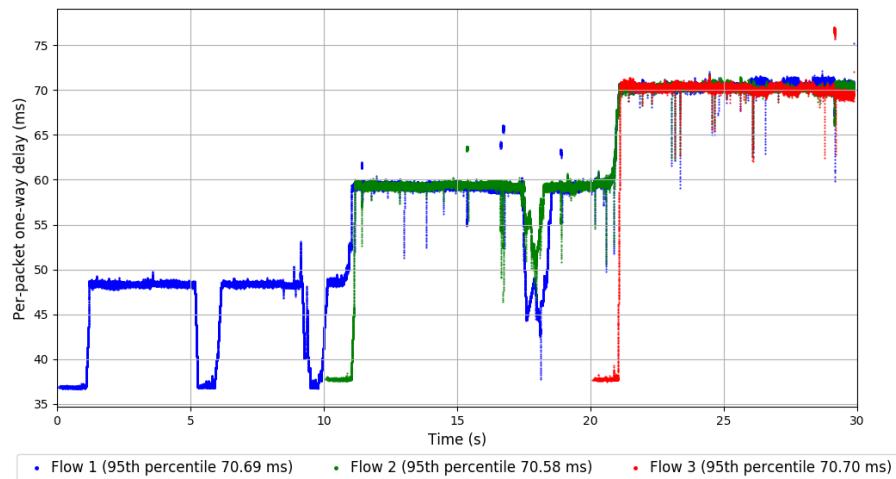
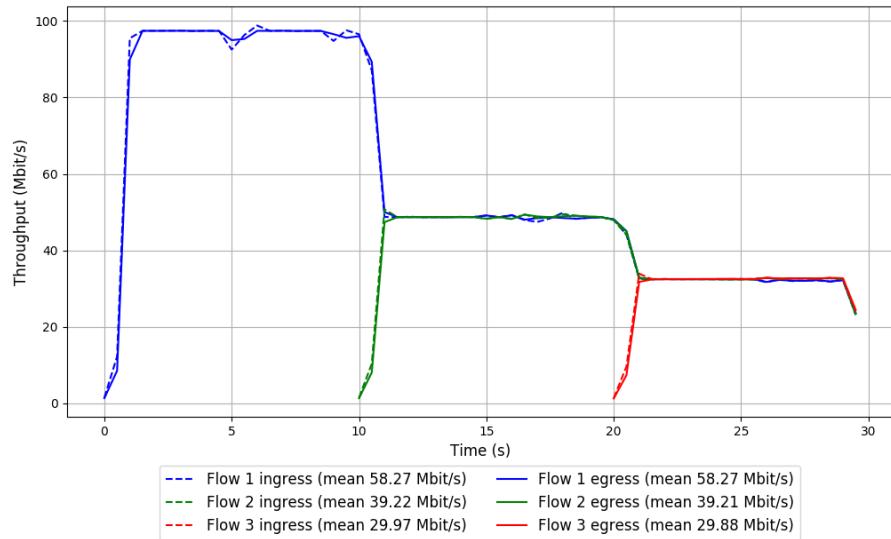


```
Run 1: Statistics of Vivace-loss
```

```
Start at: 2018-02-02 22:06:36
End at: 2018-02-02 22:07:06
Local clock offset: -3.822 ms
Remote clock offset: -22.649 ms

# Below is generated by plot.py at 2018-02-03 06:03:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.15 Mbit/s
95th percentile per-packet one-way delay: 70.666 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 58.27 Mbit/s
95th percentile per-packet one-way delay: 70.695 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 39.21 Mbit/s
95th percentile per-packet one-way delay: 70.585 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 29.88 Mbit/s
95th percentile per-packet one-way delay: 70.702 ms
Loss rate: 0.71%
```

Run 1: Report of Vivace-loss — Data Link

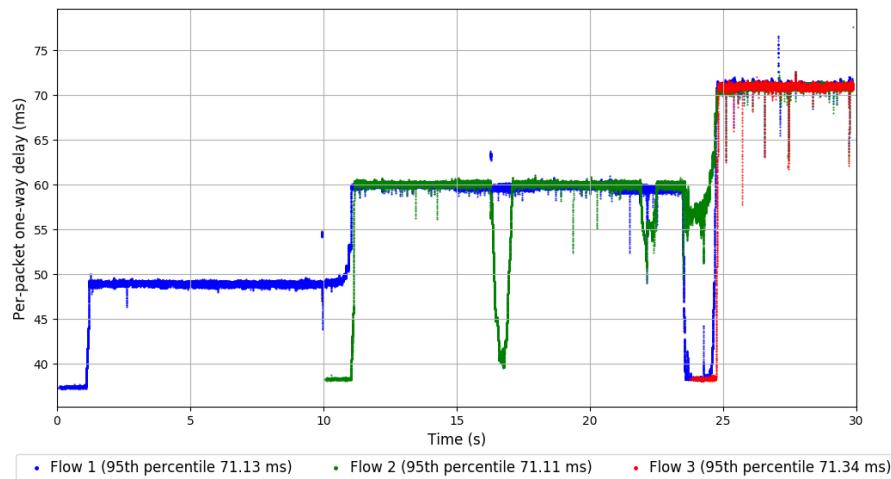
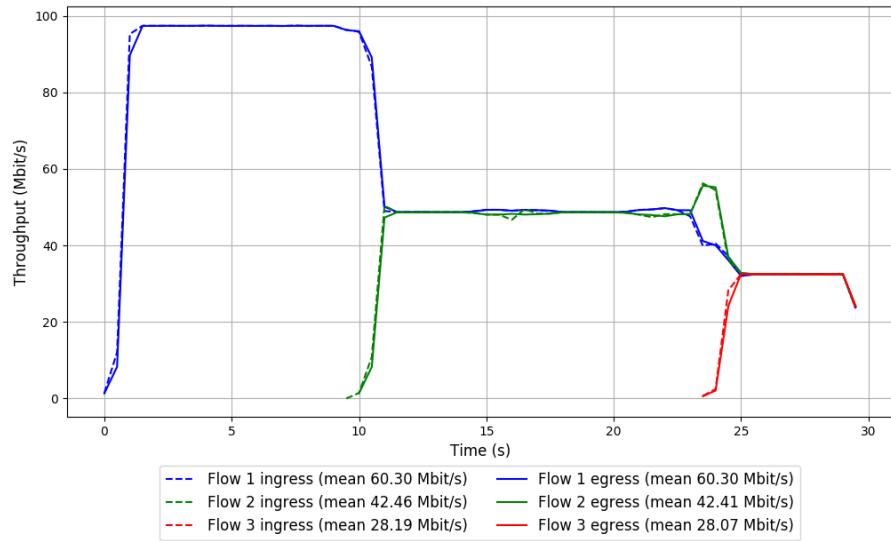


Run 2: Statistics of Vivace-loss

```
Start at: 2018-02-02 22:28:27
End at: 2018-02-02 22:28:57
Local clock offset: -5.823 ms
Remote clock offset: -29.711 ms

# Below is generated by plot.py at 2018-02-03 06:03:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.24 Mbit/s
95th percentile per-packet one-way delay: 71.186 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 60.30 Mbit/s
95th percentile per-packet one-way delay: 71.134 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 42.41 Mbit/s
95th percentile per-packet one-way delay: 71.109 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 28.07 Mbit/s
95th percentile per-packet one-way delay: 71.336 ms
Loss rate: 1.20%
```

Run 2: Report of Vivace-loss — Data Link

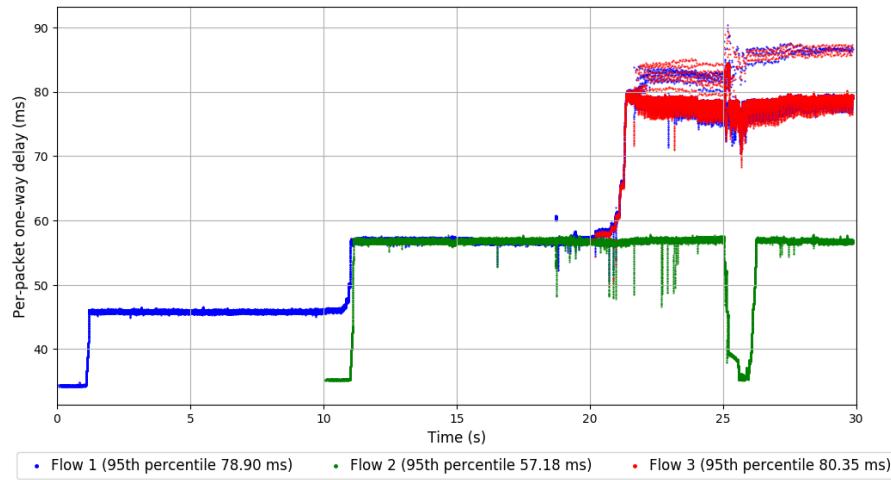
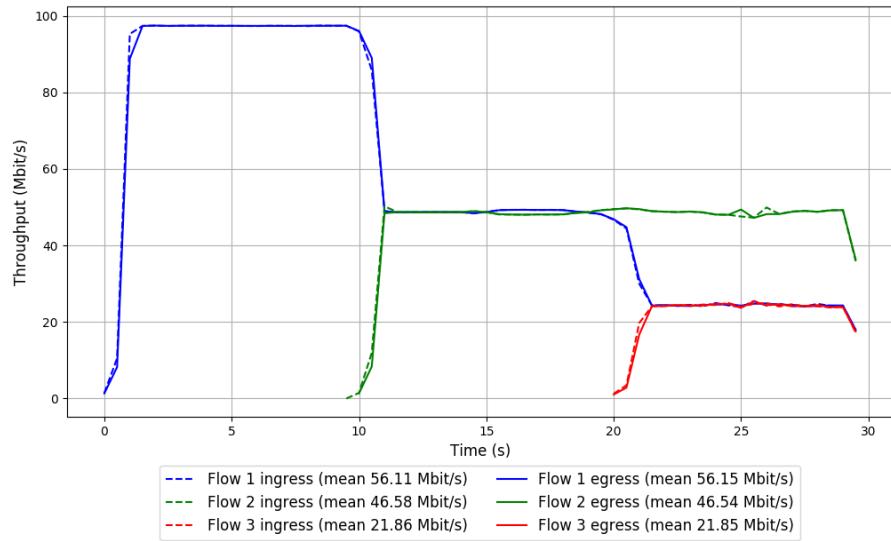


Run 3: Statistics of Vivace-loss

```
Start at: 2018-02-02 22:50:24
End at: 2018-02-02 22:50:54
Local clock offset: -2.917 ms
Remote clock offset: -22.96 ms

# Below is generated by plot.py at 2018-02-03 06:03:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.26 Mbit/s
95th percentile per-packet one-way delay: 78.996 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 56.15 Mbit/s
95th percentile per-packet one-way delay: 78.900 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 46.54 Mbit/s
95th percentile per-packet one-way delay: 57.182 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 21.85 Mbit/s
95th percentile per-packet one-way delay: 80.350 ms
Loss rate: 0.82%
```

Run 3: Report of Vivace-loss — Data Link

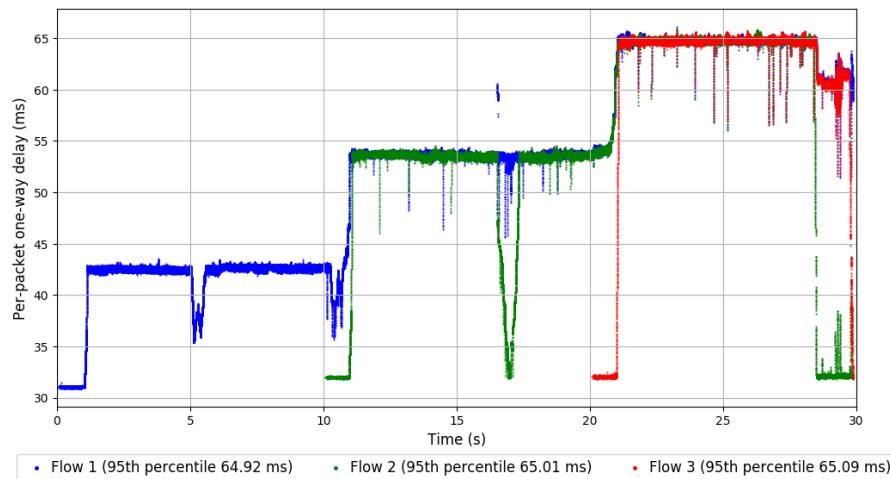
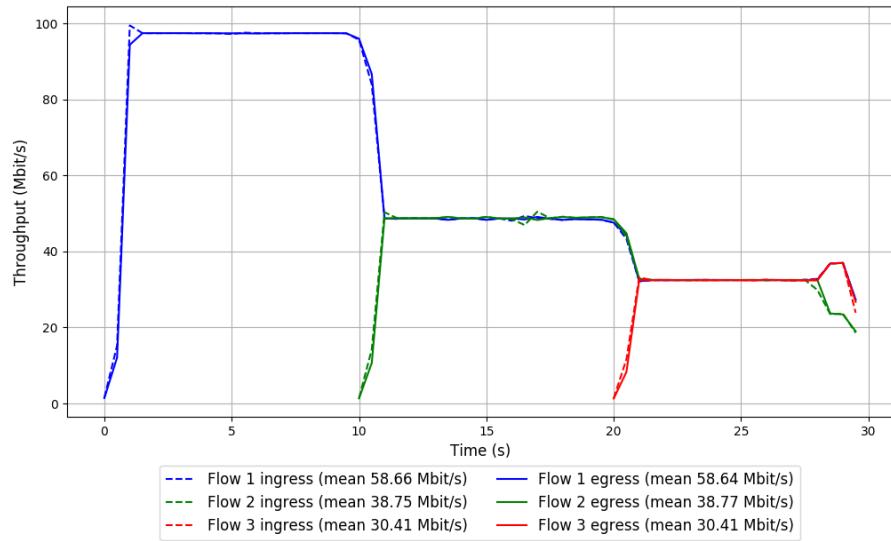


Run 4: Statistics of Vivace-loss

```
Start at: 2018-02-02 23:12:05
End at: 2018-02-02 23:12:35
Local clock offset: -1.867 ms
Remote clock offset: -23.575 ms

# Below is generated by plot.py at 2018-02-03 06:03:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.39 Mbit/s
95th percentile per-packet one-way delay: 64.990 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 58.64 Mbit/s
95th percentile per-packet one-way delay: 64.919 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 38.77 Mbit/s
95th percentile per-packet one-way delay: 65.011 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 30.41 Mbit/s
95th percentile per-packet one-way delay: 65.087 ms
Loss rate: 0.26%
```

Run 4: Report of Vivace-loss — Data Link

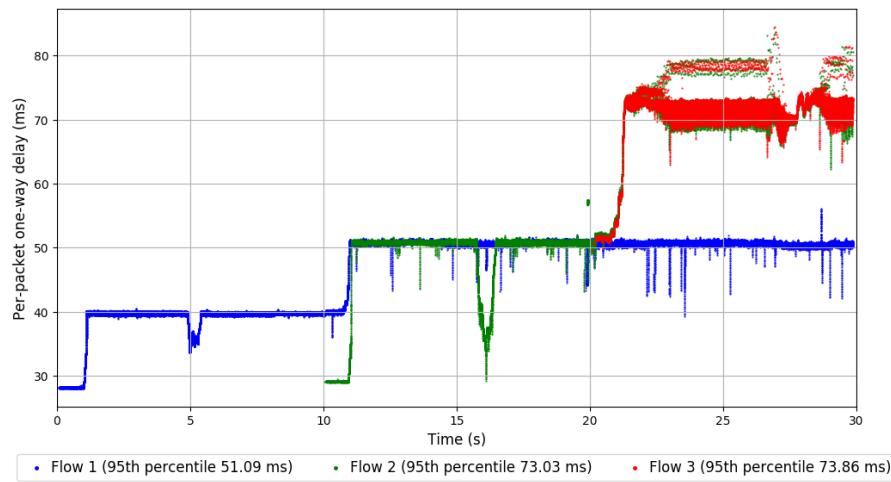
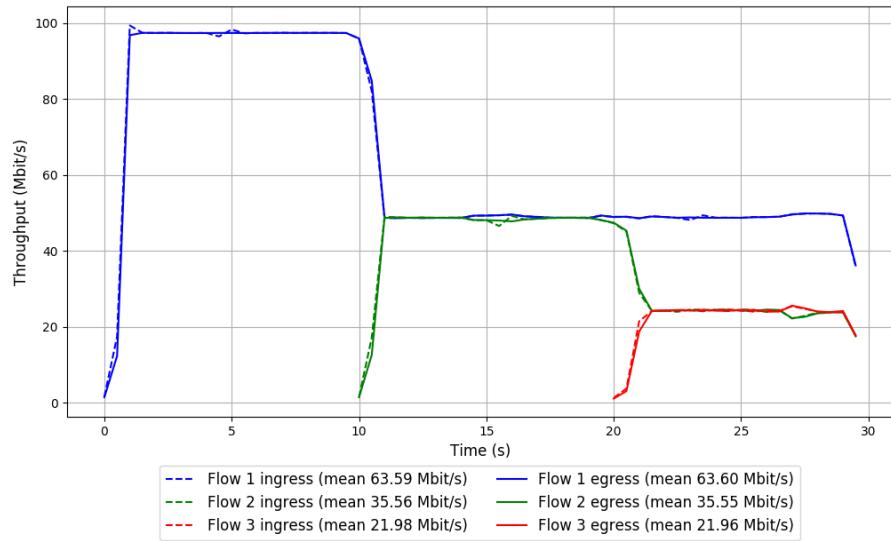


Run 5: Statistics of Vivace-loss

```
Start at: 2018-02-02 23:33:28
End at: 2018-02-02 23:33:58
Local clock offset: -3.761 ms
Remote clock offset: -15.995 ms

# Below is generated by plot.py at 2018-02-03 06:03:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.42 Mbit/s
95th percentile per-packet one-way delay: 72.727 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 63.60 Mbit/s
95th percentile per-packet one-way delay: 51.085 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 35.55 Mbit/s
95th percentile per-packet one-way delay: 73.034 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 21.96 Mbit/s
95th percentile per-packet one-way delay: 73.855 ms
Loss rate: 0.71%
```

Run 5: Report of Vivace-loss — Data Link

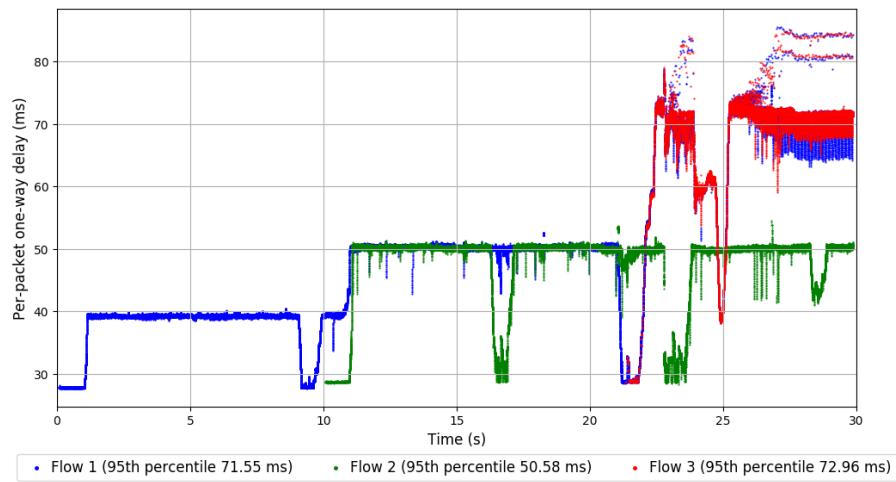
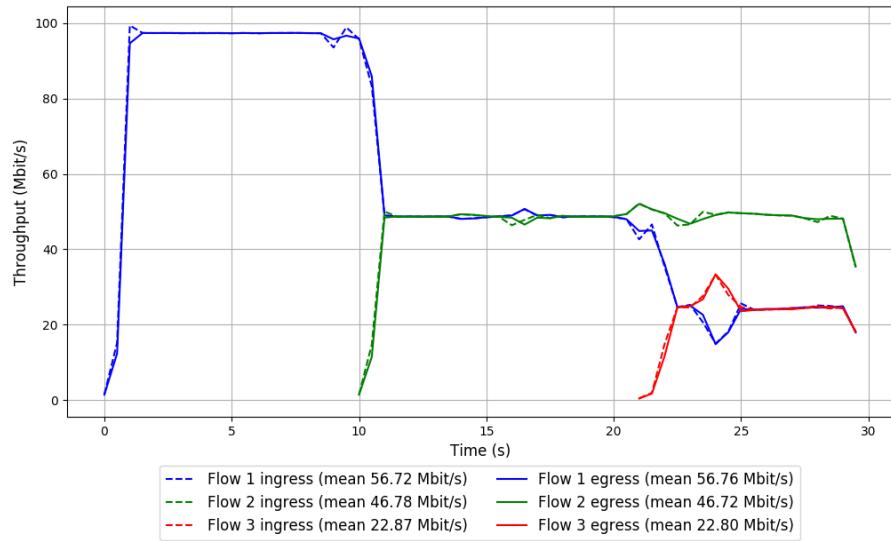


Run 6: Statistics of Vivace-loss

```
Start at: 2018-02-02 23:54:56
End at: 2018-02-02 23:55:26
Local clock offset: -6.045 ms
Remote clock offset: -16.34 ms

# Below is generated by plot.py at 2018-02-03 06:03:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.34 Mbit/s
95th percentile per-packet one-way delay: 71.717 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.76 Mbit/s
95th percentile per-packet one-way delay: 71.552 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 46.72 Mbit/s
95th percentile per-packet one-way delay: 50.579 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 22.80 Mbit/s
95th percentile per-packet one-way delay: 72.957 ms
Loss rate: 0.78%
```

Run 6: Report of Vivace-loss — Data Link

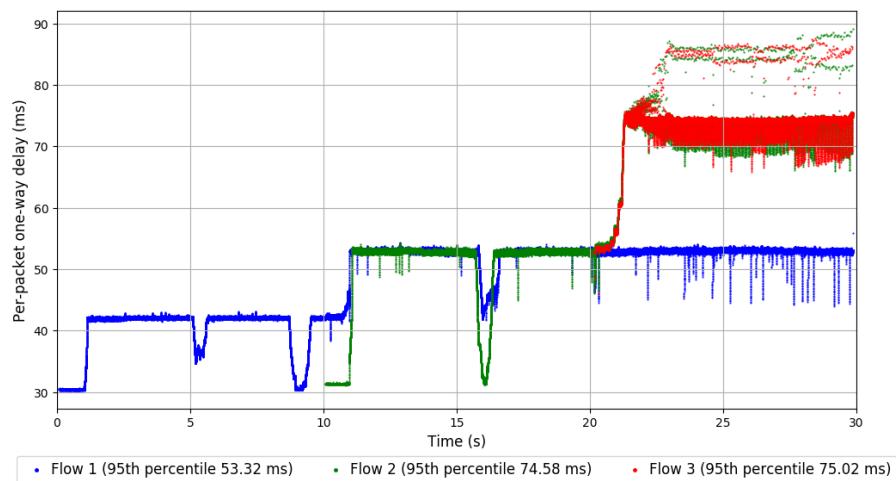
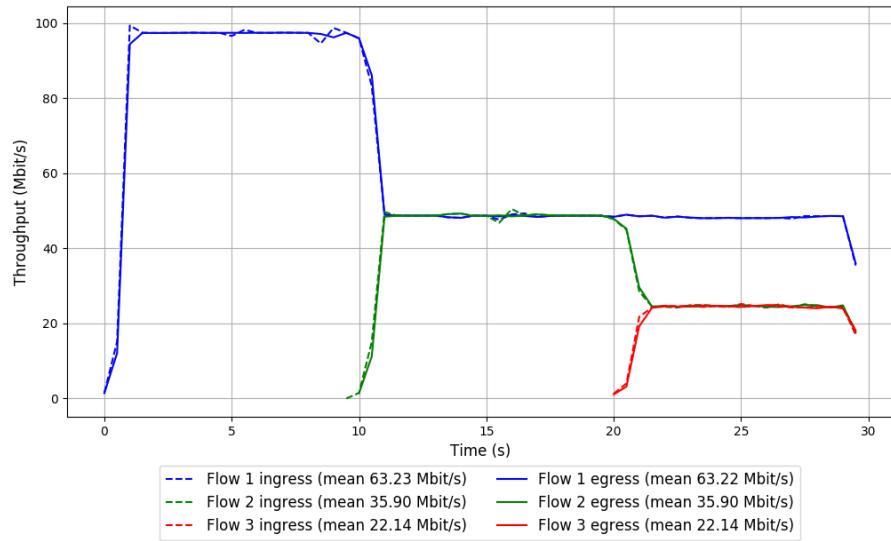


Run 7: Statistics of Vivace-loss

```
Start at: 2018-02-03 00:16:34
End at: 2018-02-03 00:17:04
Local clock offset: -2.664 ms
Remote clock offset: -17.918 ms

# Below is generated by plot.py at 2018-02-03 06:03:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.35 Mbit/s
95th percentile per-packet one-way delay: 74.379 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 63.22 Mbit/s
95th percentile per-packet one-way delay: 53.316 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 35.90 Mbit/s
95th percentile per-packet one-way delay: 74.579 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 22.14 Mbit/s
95th percentile per-packet one-way delay: 75.020 ms
Loss rate: 0.66%
```

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-02-03 00:38:45
End at: 2018-02-03 00:39:15
Local clock offset: -4.244 ms
Remote clock offset: -17.142 ms

Run 8: Report of Vivace-loss — Data Link

Figure is missing

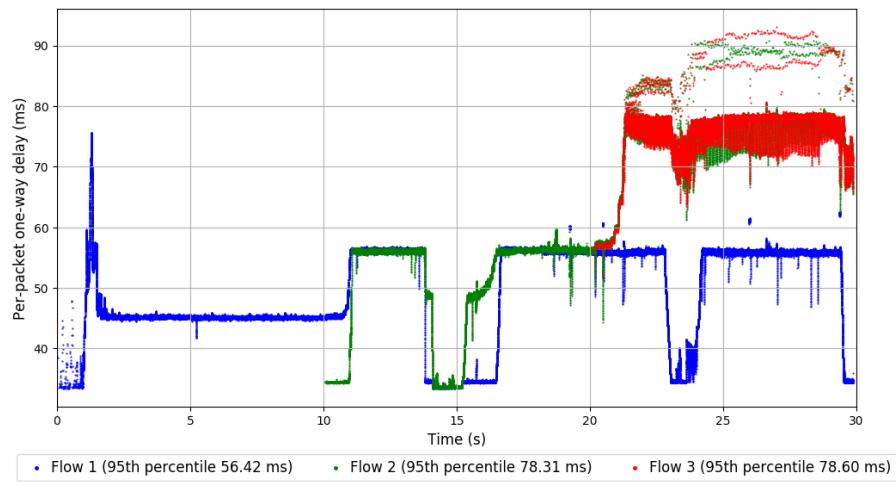
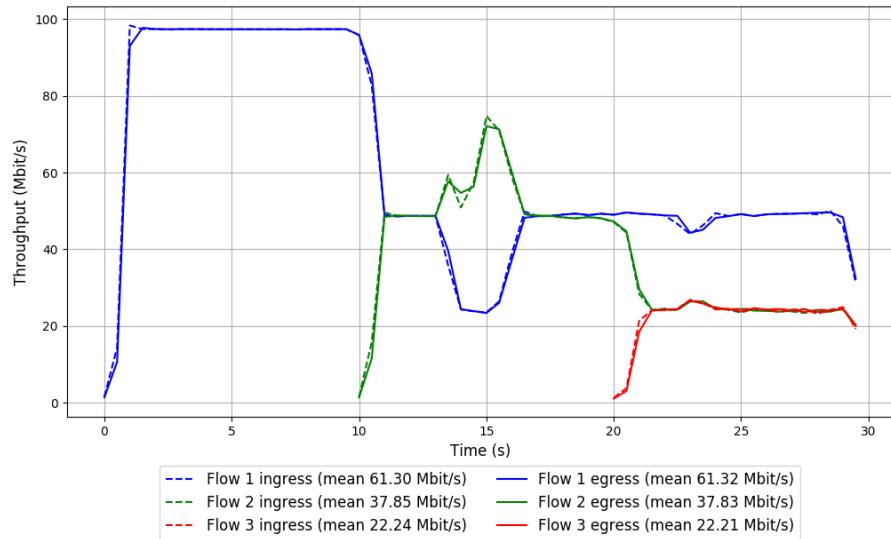
Figure is missing

Run 9: Statistics of Vivace-loss

```
Start at: 2018-02-03 01:01:43
End at: 2018-02-03 01:02:13
Local clock offset: -2.171 ms
Remote clock offset: -19.904 ms

# Below is generated by plot.py at 2018-02-03 06:04:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.75 Mbit/s
95th percentile per-packet one-way delay: 78.064 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 61.32 Mbit/s
95th percentile per-packet one-way delay: 56.423 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 37.83 Mbit/s
95th percentile per-packet one-way delay: 78.311 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 22.21 Mbit/s
95th percentile per-packet one-way delay: 78.600 ms
Loss rate: 0.72%
```

Run 9: Report of Vivace-loss — Data Link

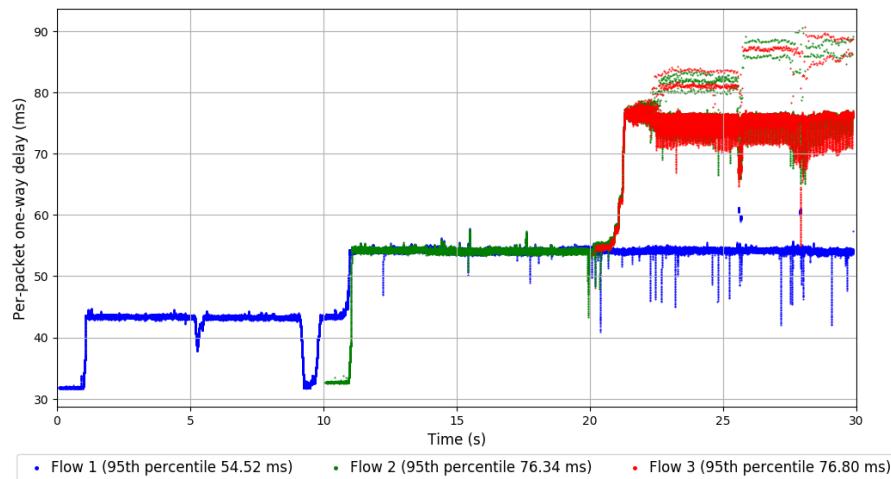
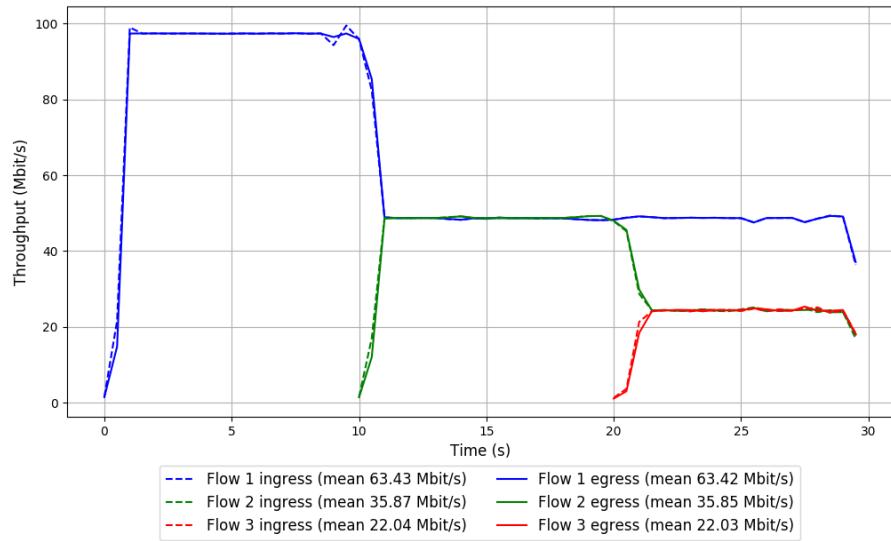


Run 10: Statistics of Vivace-loss

```
Start at: 2018-02-03 01:24:41
End at: 2018-02-03 01:25:11
Local clock offset: -2.915 ms
Remote clock offset: -21.849 ms

# Below is generated by plot.py at 2018-02-03 06:04:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.47 Mbit/s
95th percentile per-packet one-way delay: 76.124 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 63.42 Mbit/s
95th percentile per-packet one-way delay: 54.521 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 35.85 Mbit/s
95th percentile per-packet one-way delay: 76.340 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 22.03 Mbit/s
95th percentile per-packet one-way delay: 76.804 ms
Loss rate: 0.78%
```

Run 10: Report of Vivace-loss — Data Link

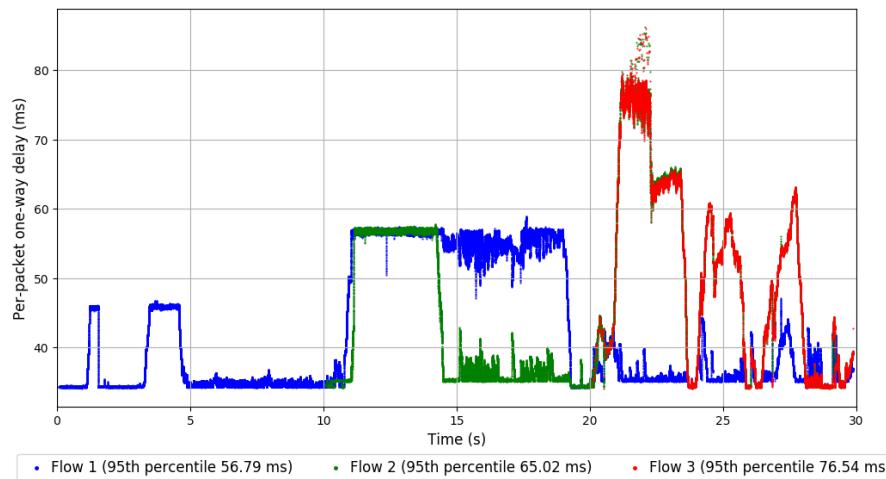
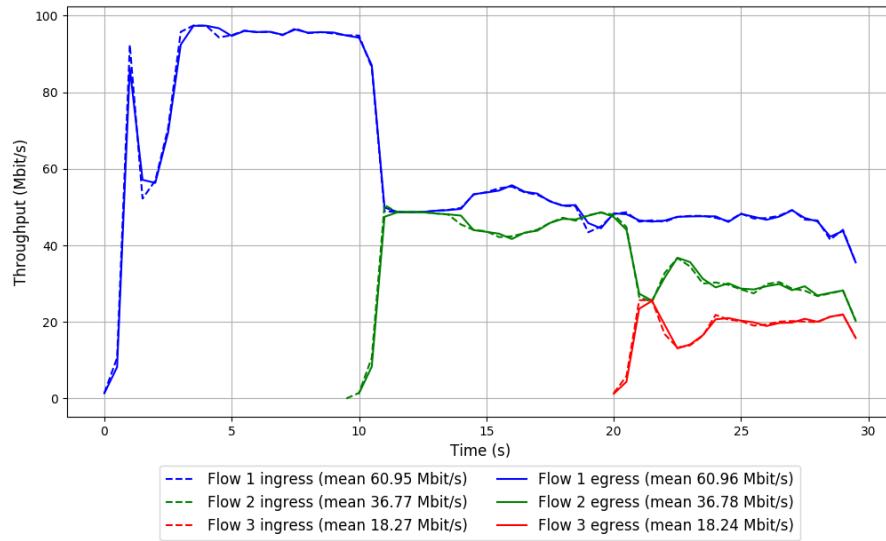


Run 1: Statistics of Vivace-LTE

```
Start at: 2018-02-02 22:16:14
End at: 2018-02-02 22:16:44
Local clock offset: -4.667 ms
Remote clock offset: -23.094 ms

# Below is generated by plot.py at 2018-02-03 06:04:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.40 Mbit/s
95th percentile per-packet one-way delay: 60.113 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 60.96 Mbit/s
95th percentile per-packet one-way delay: 56.786 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 36.78 Mbit/s
95th percentile per-packet one-way delay: 65.020 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 18.24 Mbit/s
95th percentile per-packet one-way delay: 76.536 ms
Loss rate: 0.43%
```

Run 1: Report of Vivace-LTE — Data Link

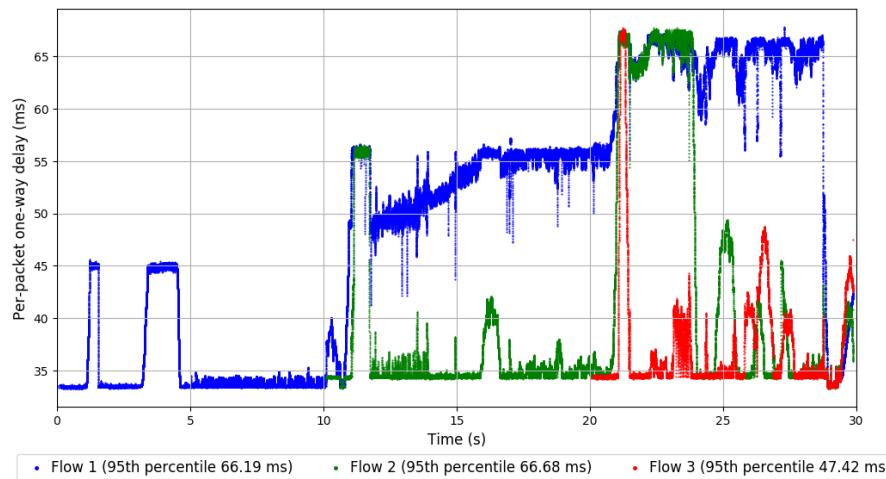
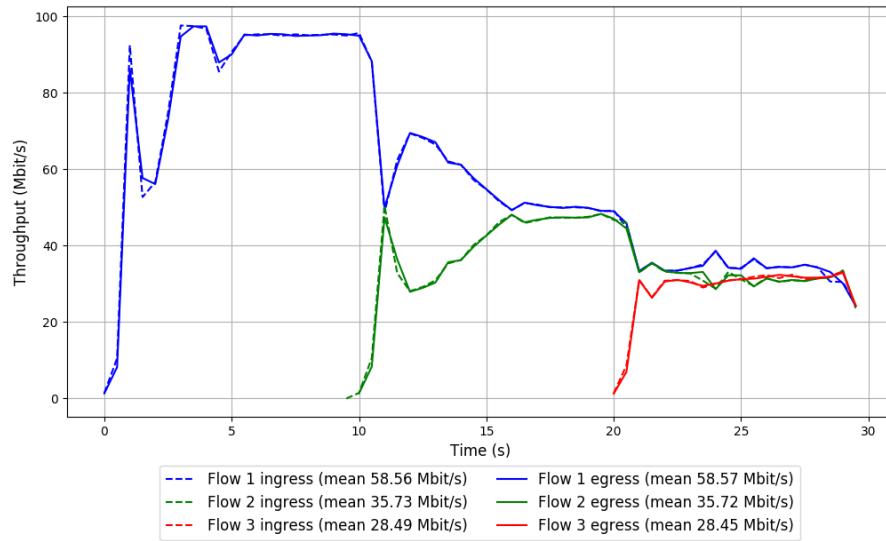


Run 2: Statistics of Vivace-LTE

```
Start at: 2018-02-02 22:38:22
End at: 2018-02-02 22:38:52
Local clock offset: -2.905 ms
Remote clock offset: -24.089 ms

# Below is generated by plot.py at 2018-02-03 06:04:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.68 Mbit/s
95th percentile per-packet one-way delay: 66.256 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 58.57 Mbit/s
95th percentile per-packet one-way delay: 66.191 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 35.72 Mbit/s
95th percentile per-packet one-way delay: 66.676 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 28.45 Mbit/s
95th percentile per-packet one-way delay: 47.419 ms
Loss rate: 0.42%
```

Run 2: Report of Vivace-LTE — Data Link

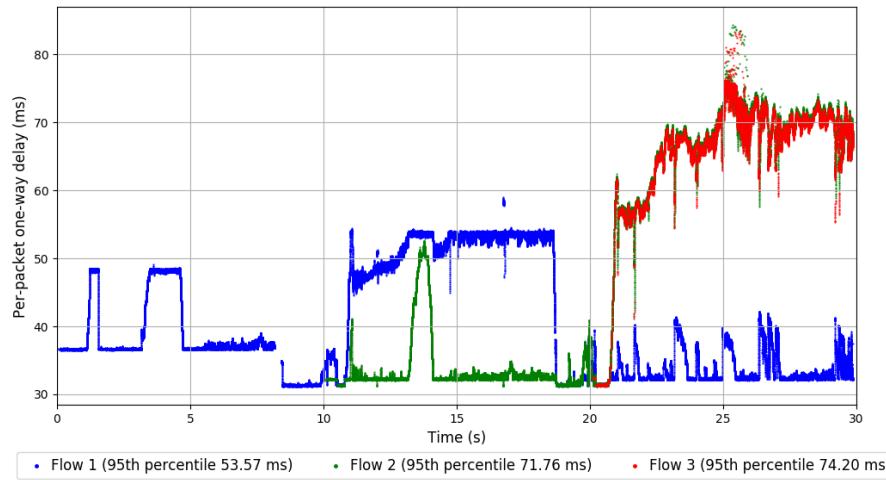
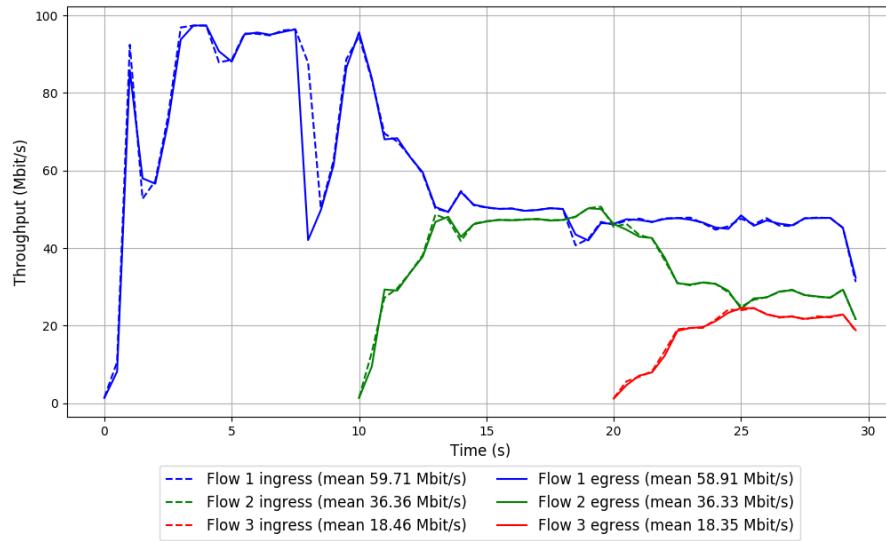


Run 3: Statistics of Vivace-LTE

```
Start at: 2018-02-02 23:00:04
End at: 2018-02-02 23:00:34
Local clock offset: -2.183 ms
Remote clock offset: -24.072 ms

# Below is generated by plot.py at 2018-02-03 06:05:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.07 Mbit/s
95th percentile per-packet one-way delay: 70.290 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 58.91 Mbit/s
95th percentile per-packet one-way delay: 53.573 ms
Loss rate: 1.46%
-- Flow 2:
Average throughput: 36.33 Mbit/s
95th percentile per-packet one-way delay: 71.757 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 18.35 Mbit/s
95th percentile per-packet one-way delay: 74.198 ms
Loss rate: 0.83%
```

Run 3: Report of Vivace-LTE — Data Link

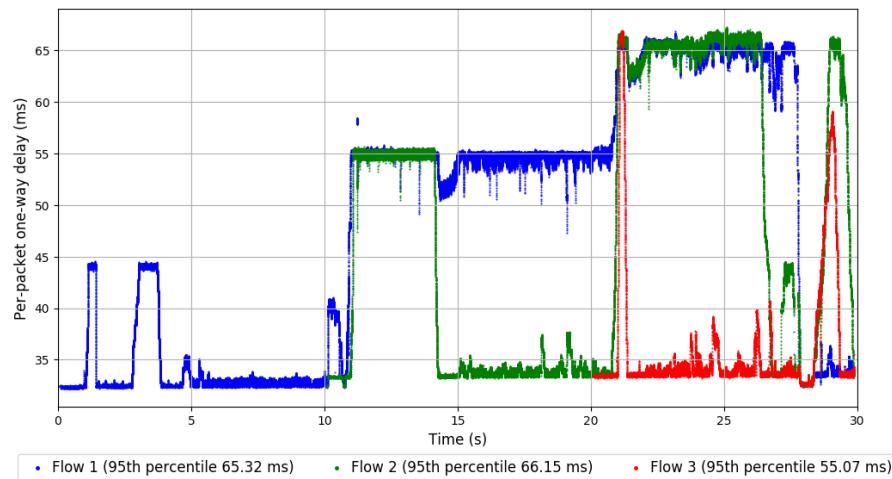
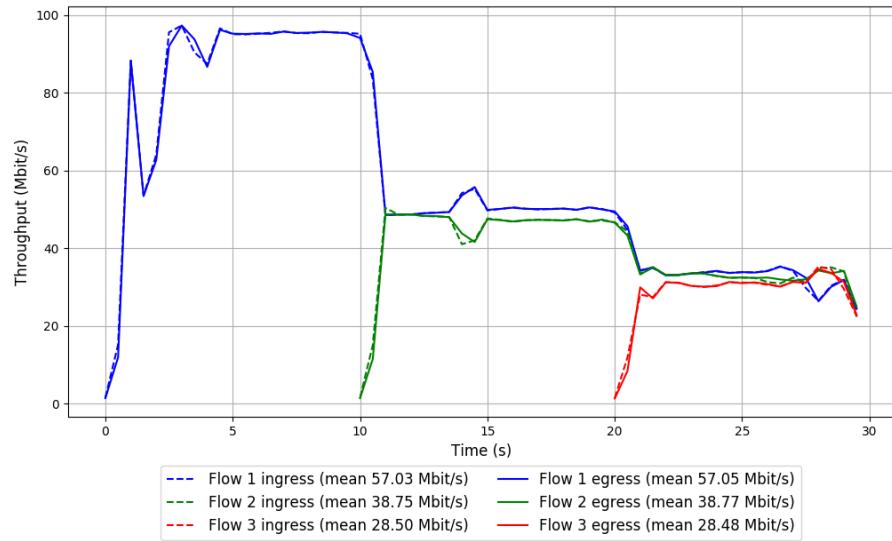


Run 4: Statistics of Vivace-LTE

```
Start at: 2018-02-02 23:21:33
End at: 2018-02-02 23:22:03
Local clock offset: -1.358 ms
Remote clock offset: -21.004 ms

# Below is generated by plot.py at 2018-02-03 06:05:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.18 Mbit/s
95th percentile per-packet one-way delay: 65.597 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 57.05 Mbit/s
95th percentile per-packet one-way delay: 65.320 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 38.77 Mbit/s
95th percentile per-packet one-way delay: 66.151 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 28.48 Mbit/s
95th percentile per-packet one-way delay: 55.067 ms
Loss rate: 0.29%
```

Run 4: Report of Vivace-LTE — Data Link

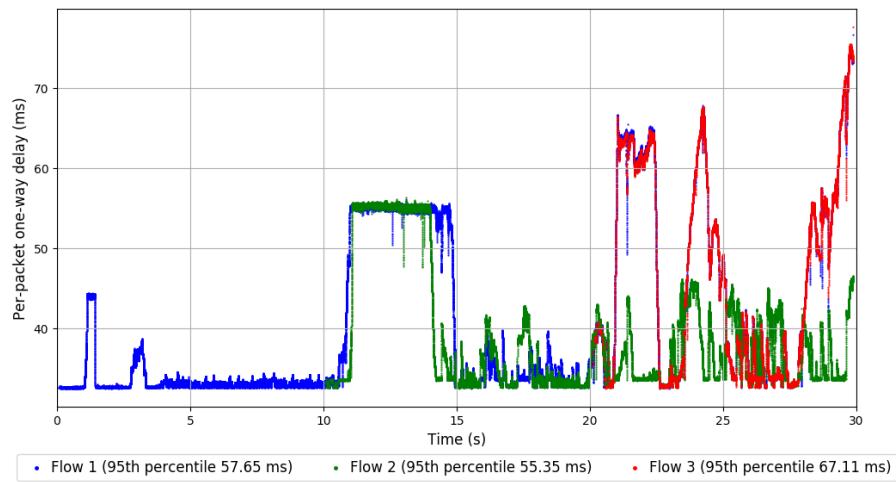
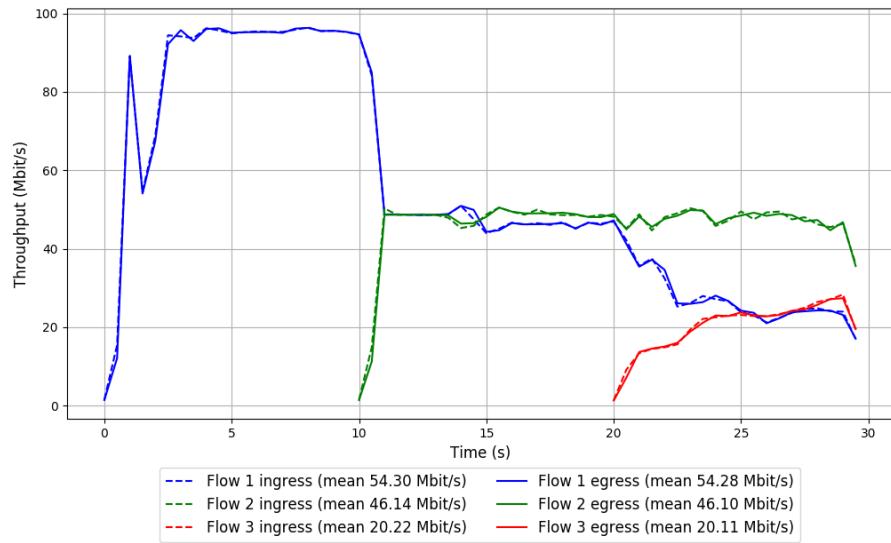


Run 5: Statistics of Vivace-LTE

```
Start at: 2018-02-02 23:43:00
End at: 2018-02-02 23:43:30
Local clock offset: -8.788 ms
Remote clock offset: -23.467 ms

# Below is generated by plot.py at 2018-02-03 06:05:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.54 Mbit/s
95th percentile per-packet one-way delay: 56.711 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 54.28 Mbit/s
95th percentile per-packet one-way delay: 57.649 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 46.10 Mbit/s
95th percentile per-packet one-way delay: 55.348 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 20.11 Mbit/s
95th percentile per-packet one-way delay: 67.114 ms
Loss rate: 0.85%
```

Run 5: Report of Vivace-LTE — Data Link

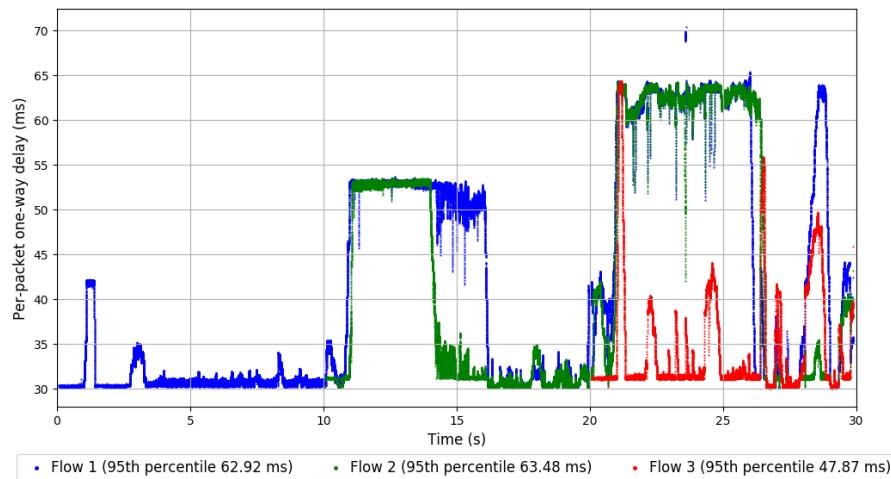
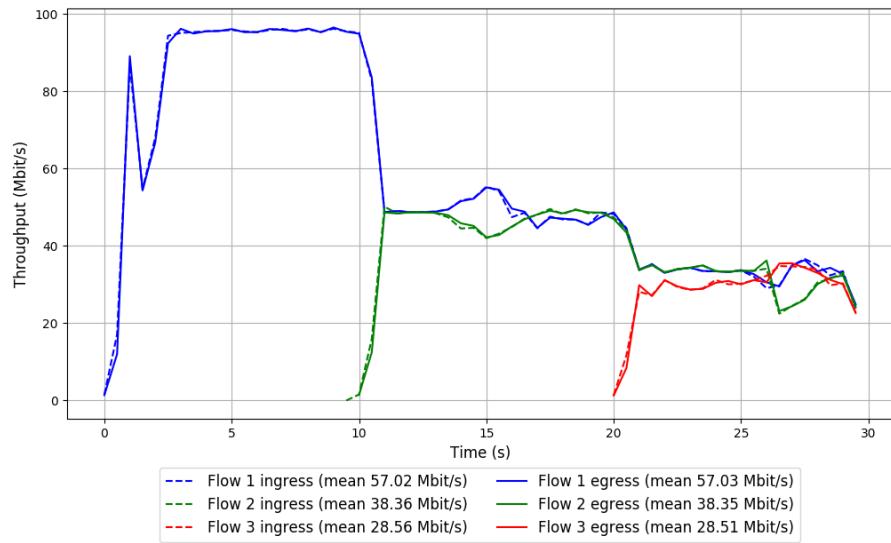


Run 6: Statistics of Vivace-LTE

```
Start at: 2018-02-03 00:04:35
End at: 2018-02-03 00:05:05
Local clock offset: -4.244 ms
Remote clock offset: -17.863 ms

# Below is generated by plot.py at 2018-02-03 06:05:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.92 Mbit/s
95th percentile per-packet one-way delay: 63.167 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 57.03 Mbit/s
95th percentile per-packet one-way delay: 62.921 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 38.35 Mbit/s
95th percentile per-packet one-way delay: 63.481 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 28.51 Mbit/s
95th percentile per-packet one-way delay: 47.874 ms
Loss rate: 0.38%
```

Run 6: Report of Vivace-LTE — Data Link

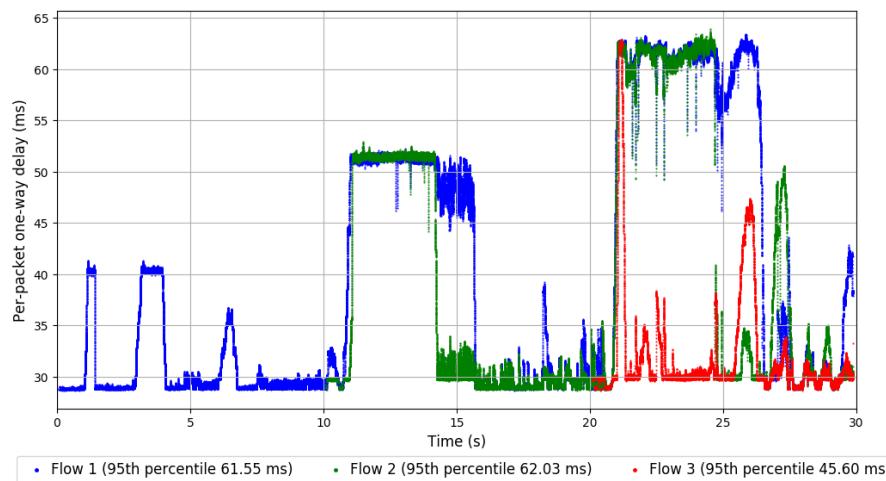
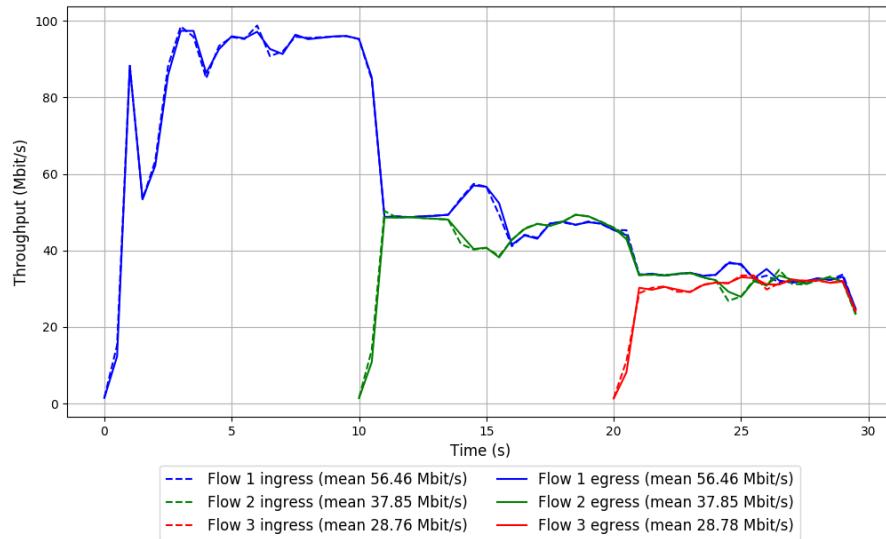


Run 7: Statistics of Vivace-LTE

```
Start at: 2018-02-03 00:26:28
End at: 2018-02-03 00:26:58
Local clock offset: -3.076 ms
Remote clock offset: -17.33 ms

# Below is generated by plot.py at 2018-02-03 06:05:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.08 Mbit/s
95th percentile per-packet one-way delay: 61.710 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 56.46 Mbit/s
95th percentile per-packet one-way delay: 61.548 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 37.85 Mbit/s
95th percentile per-packet one-way delay: 62.032 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 28.78 Mbit/s
95th percentile per-packet one-way delay: 45.598 ms
Loss rate: 0.28%
```

Run 7: Report of Vivace-LTE — Data Link

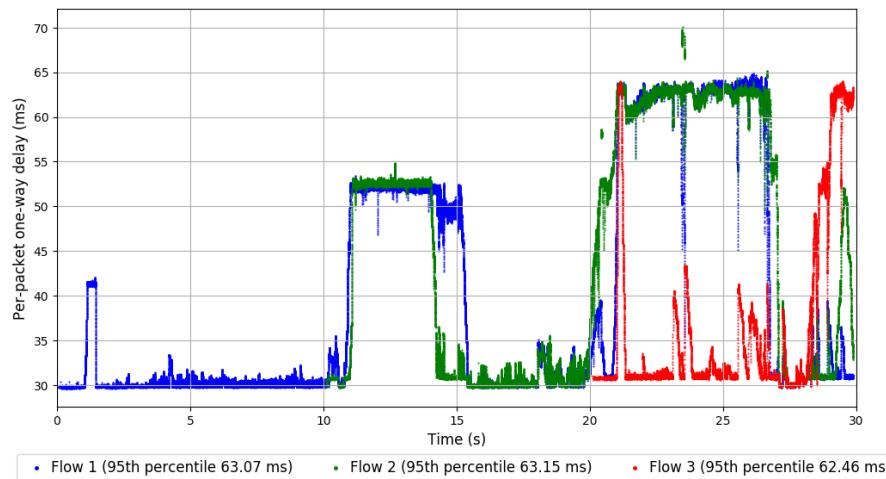
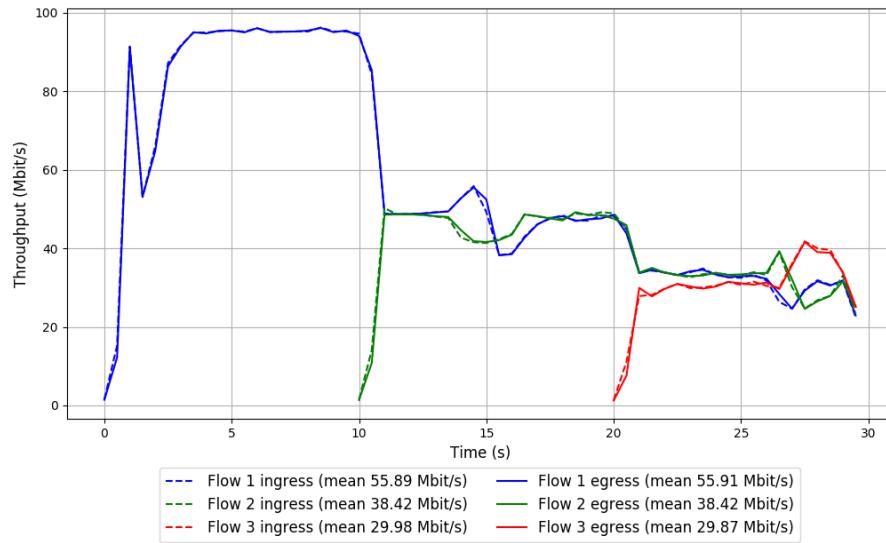


Run 8: Statistics of Vivace-LTE

```
Start at: 2018-02-03 00:48:59
End at: 2018-02-03 00:49:29
Local clock offset: -3.097 ms
Remote clock offset: -16.608 ms

# Below is generated by plot.py at 2018-02-03 06:05:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.26 Mbit/s
95th percentile per-packet one-way delay: 63.080 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 55.91 Mbit/s
95th percentile per-packet one-way delay: 63.067 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 38.42 Mbit/s
95th percentile per-packet one-way delay: 63.149 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 29.87 Mbit/s
95th percentile per-packet one-way delay: 62.456 ms
Loss rate: 0.65%
```

Run 8: Report of Vivace-LTE — Data Link

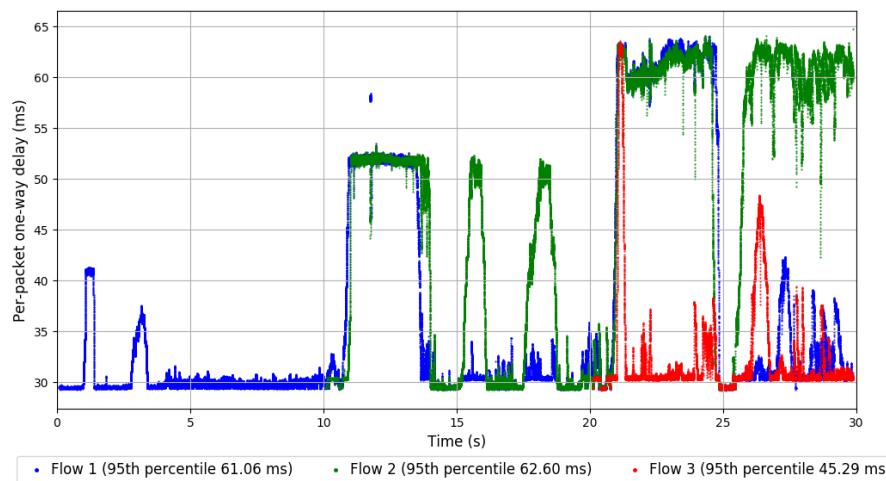
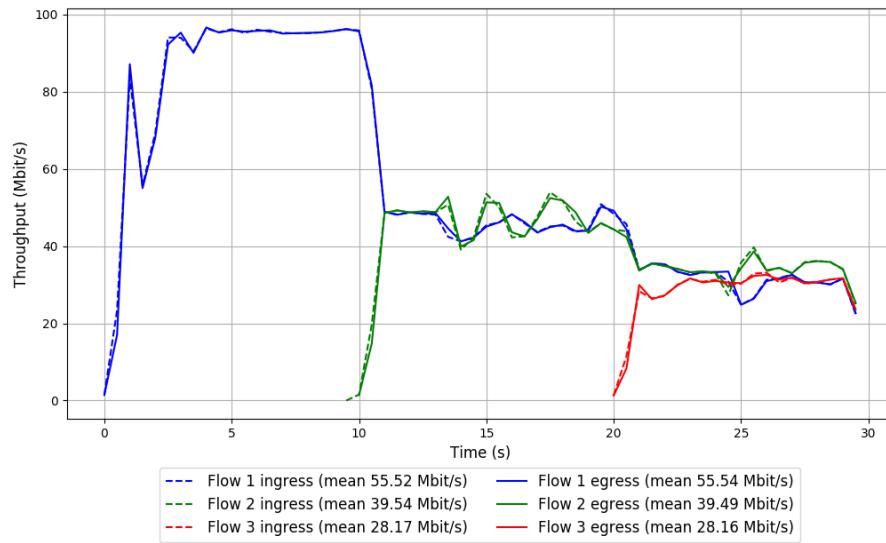


Run 9: Statistics of Vivace-LTE

```
Start at: 2018-02-03 01:11:45
End at: 2018-02-03 01:12:15
Local clock offset: -4.747 ms
Remote clock offset: -19.558 ms

# Below is generated by plot.py at 2018-02-03 06:05:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.06 Mbit/s
95th percentile per-packet one-way delay: 62.187 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 55.54 Mbit/s
95th percentile per-packet one-way delay: 61.065 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.49 Mbit/s
95th percentile per-packet one-way delay: 62.603 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 28.16 Mbit/s
95th percentile per-packet one-way delay: 45.292 ms
Loss rate: 0.31%
```

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

```
Start at: 2018-02-03 01:34:51
End at: 2018-02-03 01:35:21
Local clock offset: -1.083 ms
Remote clock offset: -21.165 ms

# Below is generated by plot.py at 2018-02-03 06:05:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.96 Mbit/s
95th percentile per-packet one-way delay: 72.385 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 58.56 Mbit/s
95th percentile per-packet one-way delay: 55.707 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 37.29 Mbit/s
95th percentile per-packet one-way delay: 74.599 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 23.19 Mbit/s
95th percentile per-packet one-way delay: 76.885 ms
Loss rate: 0.35%
```

Run 10: Report of Vivace-LTE — Data Link

